

ESTTA Tracking number: **ESTTA660613**Filing date: **03/11/2015**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Proceeding	91213597
Party	Defendant Tigercat International Inc.
Correspondence Address	CANDACE LYNN BELL ECKERT SEAMANS CHERIN & MELLOTT LLC 50 S 16TH STREET, 22ND FLOOR PHILADELPHIA, PA 19102 2523 UNITED STATES cbell@eckertseamans.com, rjacobsmeadway@eckertseamans.com, lscol-lon@eckertseamans.com
Submission	Other Motions/Papers
Filer's Name	Candace Lynn Bell
Filer's e-mail	cbell@eckertseamans.com, rjacobsmeadway@eckertseamans.com, afleisher@eckertseamans.com
Signature	/Candace Lynn Bell/
Date	03/11/2015
Attachments	DECLARATION OF JOHN METZGER (M1346811).pdf(299614 bytes) EXHIBIT A TO METZGER DECLARATION (M1346792).pdf(675635 bytes) EXHIBIT B TO METZGER DECLARATION (M1346793).pdf(165219 bytes) EXHIBIT C TO METZGER DECLARATION (M1346794).pdf(272348 bytes) EXHIBIT D TO METZGER DECLARATION (M1346795).pdf(877119 bytes) EXHIBIT E TO METZGER DECLARATION (M1346796).pdf(802527 bytes) EXHIBIT F TO METZGER DECLARATION (M1346797).pdf(267171 bytes) EXHIBIT G TO METZGER DECLARATION (M1346798).pdf(350186 bytes) EXHIBIT H TO METZGER DECLARATION (M1346799).pdf(114323 bytes) EXHIBIT I TO METZGER DECLARATION (M1346800).pdf(265240 bytes) EXHIBIT J TO METZGER DECLARATION (M1346801).pdf(1931858 bytes) EXHIBIT K TO METZGER DECLARATION (M1346802).pdf(662349 bytes) EXHIBIT L TO METZGER DECLARATION (M1346803).pdf(3993954 bytes) EXHIBIT M TO METZGER DECLARATION (M1346804).pdf(203311 bytes) EXHIBIT N TO METZGER DECLARATION (M1346805).pdf(1067052 bytes) EXHIBIT O TO METZGER DECLARATION (M1346806).pdf(178675 bytes) EXHIBIT P TO METZGER DECLARATION (M1346807).pdf(1491403 bytes) EXHIBIT S TO METZGER DECLARATION (M1346810).pdf(206244 bytes) EXHIBIT R TO METZGER DECLARATION (M1346808).pdf(2514485 bytes) Exhibit Q1 to Metzger Declaration.pdf(2856499 bytes) Exhibit Q2 to Metzger Dec.pdf(2713006 bytes)

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING TRANSMITTED ELECTRONICALLY TO THE COMMISSIONER FOR TRADEMARKS. [HTTP://EETA.USPTO.GOV/FILING-TYPE.JSP](http://EETA.USPTO.GOV/FILING-TYPE.JSP)

BY

DATE: March 11, 2015

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

CATERPILLAR INC.,

Opposer,

v.

Opposition No. 91213597

TIGERCAT INTERNATIONAL INC.

Applicant.

DECLARATION OF JOHN F. METZGER

1. I am a citizen of the United States, over 18 years old and a resident of Montgomery County in the Commonwealth of Pennsylvania.
2. I am employed as a paralegal with Eckert Seamans Cherin & Mellott, LLC in Philadelphia, Pennsylvania.
3. I have worked as a paralegal since October of 1994 and was employed at Ballard Spahr Andrews & Ingersoll, LLP in Philadelphia, Pennsylvania from September 1997 until February 2008 when I joined the firm of Eckert Seamans Cherin & Mellott, LLC.
4. My duties include general, internet and legal research, litigation support, document review and analysis, document organization and control, and electronic discovery support among others.
5. As part of my duties as a paralegal, I maintain the pleadings file in this opposition proceeding.

6. Attached as Exhibit A to this declaration are true and correct copies of the webpages www.cat.com/en_US/products/new/by_industry/forestry.html and www.cat.com/en_GB/products/new/attachments/mulchers.html accessed and printed on March 11, 2015.

7. Attached as Exhibit B to this declaration is a true and correct copy of the webpage accessed and printed on March 5, 2015 showing the youtube video “Caterpillar at CONEXPO – Introducing the 586 C Site Prep Tractor” published on March 7, 2014 and located at <https://www.youtube.com/watch?v=PwRG2zM5w1Q>.

8. Attached as Exhibit C to this declaration is a true and correct copy of Caterpillar’s “The Caterpillar Product Line” showing a date of December 1980 and produced as CAT0004672 to CAT0004673.

9. Attached as Exhibit D to this declaration is a true and correct copy of the “Tiger Product Line-up” document produced by Applicant as TII 0190 through TII 0195.¹

10. Attached as Exhibit E to this declaration is a true and correct copy of the document entitled “The Tigercat Story” produced by Applicant as TII 0021 through TII 0024.

11. Attached as Exhibit F to this declaration is a true and correct copy of the news story “Tigercat Adds Off-Road Industrial Product: S610C Sprayer” dated August 12, 2010 accessed and printed on March 10, 2015 from the website www.tigercat.com.

12. Attached as Exhibit G to this declaration is a true and correct of the document produced by Applicant as TTI 0579 through TTI 0582.

13. Attached as Exhibit H to this declaration is a true and correct copy of a document produced by Applicant as TII 0463.

¹ Applicant Tigercat’s production to Opposer Caterpillar comprised documents labeled with either a “TII” or “TTI” prefix followed by a sequential number.

14. Attached as Exhibit I to this declaration are true and correct copies of YouTube video pages accessed and printed on March 11, 2015 showing the Tigercat M726E Pipeline ROW video uploaded on July 12, 2011 (and found at www.youtube.com/watch?v=zlpNXhpJHjo) and the Mulcher Tigercat M726E Pipeline uploaded on July 17, 2011 (found at www.youtube.com/watch?v=W0oWXq4UE4k).

15. Attached as Exhibit J to this declaration are true and correct copies of webpages accessed and printed from the website for Ziegler CAT located at www.zieglercat.com on March 11, 2015.

16. Attached as Exhibit K to this declaration is a true and correct copy of Tigercat's preliminary specification sheet for the M760 Mulcher produced by Applicant as TII 0060 through 0063.

17. Attached as Exhibit L to this declaration is a true and correct copy of a Caterpillar brochure for the 586C Site Prep Tractor produced by Applicant as TTI 0475 through TTI 0498.

18. Attached as Exhibit M to this declaration is a true and correct copy of a Tigercat advertisement that appeared in the July 2010 issue of Pipeline & Gas Journal produced by Applicant as TII 0448.

19. Attached as Exhibit N to this declaration are true and correct copies of Tigercat advertisements that appeared in publications in the year 2011, produced by Applicant as TII 0449 through TII 0454.

20. Attached as Exhibit O to this declaration is a true and correct copy of a Tigercat advertisement from the November 2012 issue of Pipeline & Gas Journal produced by Applicant as TTI 0462.

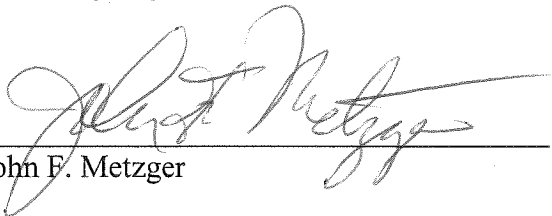
21. Attached as Exhibit P to this declaration are true and correct copies of Tigercat advertisements that appeared in publications in the year 2013, produced by Applicant as TTI 0466 through TTI 0472.

22. Attached as Exhibit Q to this declaration are documents showing that Tigercat and Caterpillar both attended certain trade shows at least as early as 2010. This exhibit comprises the following documents: a) a true and correct copy of the March 4-8, 2014 CONEXPO Exhibit List accessed and printed on March 10, 2015 from the International Technology and Exhibition and Events company website at www.itec.com.vn and found at www.itec.com.vn/infoweb/mmi/conexpo/01.10.14_ExhibitorList_CONEXPOCONAGG.pdf; b) a true and correct copy of the webpage located at www.jointeamcaterpillar.com/cda/layout?m=400938&x=69 accessed and printed on March 10, 2015 noting that Caterpillar would be attending the Expo Richmond in Richmond, Virginia in 2010; c) true and correct copies of the webpages located at www.mydigitalpublication/?i+37172&p=22 showing pages from the TimberLine May 2010 publication accessed and printed on March 11, 2015; d) a true and correct copy of the webpage located at www.canadianrentalservice.com/shows/atlantic-heavy-equipment-show-starts-this-week-1518 noting that the Atlantic Heavy Equipment Show starts April 8-9, 2010 showing a “sampling” of exhibitors that includes “Cat” and “Tigercat” accessed and printed on March 11, 2015; e) a true and correct copy of the Mid-Atlantic Logging & Biomass Expo Official Show Program for October 7-8, 2011 held in Selma/Smithfield, NC accessed and printed on March 10, 2015 and located at http://midatlantic-logging-biomass-expo.com/wp-content/uploads/2011/09/2011_MA_Program.pdf.

23. Attached as Exhibit R to this declaration are documents showing that Caterpillar and Tigercat advertised in the same trade journals. Exhibit R comprises the following documents: a) a true and correct copy of the Advertiser Index to Timber Harvesting & Wood Fiber Operations accessed and printed on March 10, 2015 and located at webpage www.timberharvesting.com/advertiser-index; b) a true and correct copy of the November 2013 Ad Index for the Pipeline & Gas Journal located at webpage www.pipelineandgasjournal.com/november-2013-ad-index?page=show accessed and printed on March 11, 2015.

24. Attached as Exhibit S to this declaration is a true and correct copy of a Tigercat brochure for its S640 Site-Prep Tractor produced by Applicant as TII 0054 through TII 0055.

I declare under penalty of perjury that the foregoing is true and correct.



John F. Metzger

Executed on: March 11, 2015
in Philadelphia, PA

CERTIFICATE OF SERVICE

The undersigned hereby certifies that a true and correct copy of the attached Declaration of John F. Metzger was served on counsel for the Opposer on the date listed below via electronic and U.S. Mail:

Christopher P. Foley
FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.
901 New York Ave., N.W.
Washington, DC 20001-4413

Laura K. Johnson
FINNEGAN, HENDERSON, FARABOW,
GARRETT & DUNNER, L.L.P.
2 Seaport Boulevard
Boston, MA 02210

Dated: March 11, 2015

By: _____

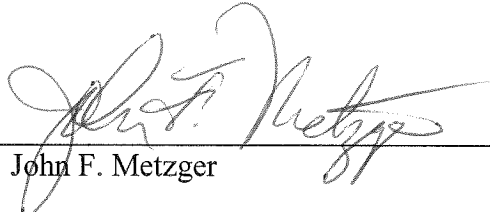

John F. Metzger

EXHIBIT A



PRODUCTS

PARTS

SUPPORT

COMPANY



PROFITABLE LOGGING, SUSTAINABLE FORESTRY.



NEW INDUSTRY SOLUTIONS

FORESTRY

Caterpillar offers a complete line of forestry equipment to meet your application needs - from core machines that help with road building, millyard and reforestation, to purpose-built machines that harvest, extract and load, Caterpillar's line of products are all you need to get the job done.

COMBINING EQUIPMENT, TECHNOLOGY AND SERVICES TO HELP BUILD YOUR SUCCESS

Cat Connect makes smart use of technology and services to improve your jobsite efficiency. Using the data from technology-equipped machines, you'll get more information and insight into your equipment and operations than ever before.

Working with your Cat dealer, you can find the right combination of Cat Connect technologies and services for your jobsites. Whether your goal is to maximize production, reduce costs or improve safety, Cat Connect gives you



the options you need to build the successful, sustainable business you want.

LEARN MORE ABOUT CAT CONNECT

MAXIMIZING THE LIFE OF YOUR UNDERCARRIAGE

When you purchased your Cat® forestry machine with genuine Cat Undercarriage, you made a smart investment. A significant portion of the owning and operating cost of your machine is undercarriage related. Following these simple tips will help you keep costs down.

LEARN MORE ABOUT UNDERCARRIAGE OPERATIONS

CATERPILLAR JOB SITE SOLUTIONS

Increase fleet utilization, control costs and use capital more efficiently when you join forces with Caterpillar to build and sustain high-performance job sites for construction, quarry and aggregates. Our best application experts will work with your team, designing and executing site-specific plans to improve productivity, manage the equipment lifecycle, enhance safety and sustainability, and optimize cash flow. Let's get started now.

GET STARTED NOW



CAT PRODUCTS FOR FORESTRY APPLICATIONS.

SMALL DOZERS



MEDIUM DOZERS



LARGE DOZERS



MEDIUM
EXCAVATORS



LARGE
EXCAVATORS



FELLER BUNCHERS



FOREST MACHINES



FORWARDERS





HARVESTERS



KNUCKLEBOOM
LOADERS



MOTOR GRADERS



SITE PREP
TRACTORS



SKIDDERS



SKID STEER
LOADERS



TELEHANDLERS



SMALL WHEEL
LOADERS



MEDIUM WHEEL
LOADERS



LARGE WHEEL
LOADERS



RENTAL
GENERATOR SETS





OUR CUSTOMERS SAY IT BEST - JOHN MCGEE

"Cat's been a great product for us. It's always dependable and performs really well."

[WATCH VIDEO](#)

**0% FOR
6 MONTHS
OR
2.9% FOR
12 MONTHS**

0% FINANCING FOR 6 MONTHS

[SEE OUR OFFERS](#)

CAT® TECHNOLOGY

We are constantly developing and refining advanced technologies to help make your equipment more productive and efficient.

[LEARN MORE](#)

CONNECT WITH THE EXPERTS

Learn from the experts and get advice from your peers - check out our blogs and online forums.

[READ OUR BLOGS](#)

CAT® DEALER SERVICE

Buy any piece of Cat® equipment and also get the full support and commitment of your local Cat Dealer.

[CONTACT YOUR LOCAL DEALER](#)

MAXIMIZING THE LIFE OF YOUR UNDERCARRIAGE

When you purchased your Cat® forestry machine with genuine Cat Undercarriage, you made a smart investment. A significant portion of the owning and operating cost of your machine is undercarriage related. Following these simple tips will help you keep costs down.

[LEARN MORE ABOUT UNDERCARRIAGE OPERATIONS](#)

CAT® PRODUCTS IN THE NEWS

Cat products are in action every day. Find out what the press has to say.

[LEARN MORE](#)

PRODUCTS

[New](#)

[Equipment](#)

PARTS

[New Parts - Parts.cat.com](#)

[Reman Products - Parts.cat.com](#)

COMPANY

[Caterpillar.com](#)

[Careers](#)

CAT SOCIAL

[Facebook](#)

[Google Plus](#)

Power Systems

Attachments

Industry Solutions

Rental

Equipment

Site Support Equipment

Power Systems

Attachments

Used

Used Equipment -
CatUsed.com

Gifts & Apparel

Official Gifts & Apparel -
shopcaterpillar.com

Used Parts - catused.cat.com

SUPPORT

Financing & Insurance

Technology & Solutions

Protect Your Investment

Operate Efficiently and Safely

Maintenance & Support

Find Your Dealer

Contact Us

Corporate Press Releases

Caterpillar Brands

Investors

NEWS AND EVENTS

Product & Service
Announcements

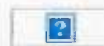
Press Kits

Trade Shows & Events

LinkedIn

Twitter

YouTube



Instagram

All Social Media Accounts



PRODUCTS

PARTS

SUPPORT

COMPANY



NEW ATTACHMENTS

MULCHERS

Cat® Mulchers are designed for high-performance cutting, and mulching vegetation and undergrowth from typical forested terrain. The hydraulic mulcher reduces saplings, shrubs and trees into mulched material, making it ideal for environmental maintenance, such as creating fire lanes. Other applications include: reclaiming untilled land, removing foliage from building construction sites, and shredding pruned material and organic waste for biomass production.

CAT® MULCHER HIGHLIGHTS

- Designed for high-performance cutting, and mulching vegetation and undergrowth from typical wooded terrain. Reduces saplings, shrubs and trees into mulched material.
- Rugged mulching head processes trees up to 200 mm (8 in) diameter for effective land clearing applications.
- Axial piston hydraulic motor provides smooth, efficient performance.
- Adjustable push frame provides the ability to position trees for optimum cutting and efficiency while also providing operator cab protection.

BROWSE INVENTORY



NEW MODELS

UNITS:

US

METRIC

☒ New Products☐ Rental Products

NARROW RESULTS

TYPE



HM315B



HM415B



MULCHERS	MULCHERS
Overall width 72 in	Overall width 72 in
Working width 58 in	Working width 58 in
Length 58 in	Length 58 in
COMPARE MODELS >	COMPARE MODELS >

RELATED PRODUCTS

+ COMPATIBILITY TABLE

BUILT FOR IT

When you choose Cat®, you get what you pay for — durable and reliable equipment, and long-lasting relationships.

[LEARN MORE](#)

FINANCING & INSURANCE

You can count on Cat Financial to provide the best financial solutions, built just for you.

[SEE OUR CURRENT OFFERS](#)

CAT® ATTACHMENTS BROCHURE

Time. Money. Resources. Save them, don't spend them. Get the right attachment for the job. See what attachments complement your Cat equipment.

[DOWNLOAD NOW](#)

CONNECT WITH THE EXPERTS

Learn from the experts and get advice from your peers - check out our blogs and online forums.

[READ OUR BLOGS](#)

CAT® DEALER SERVICE

Buy any piece of Cat® equipment and also get the full support and commitment of your local Cat Dealer.

[CONTACT YOUR LOCAL](#)

THE POWER OF CAT®

While superior quality is easy to see, it's over time and throughout your ownership experience that the superior value of Caterpillar really becomes clear.

CAT® PRODUCTS IN THE NEWS

Cat products are in action every day. Find out what the press has to say.

[LEARN MORE](#)

DEALER

LEARN MORE

PRODUCTS

- New
 - Equipment
 - Power Systems
 - Attachments
 - Industry Solutions
- Rental
 - Equipment
 - Site Support Equipment
 - Power Systems
 - Attachments
- Used
 - Used Equipment - CatUsed.com
- Gifts & Apparel
 - Official Gifts & Apparel - shopcaterpillar.com

PARTS

- New Parts - Parts.cat.com
- Reman Products - Parts.cat.com
- Used Parts - catused.cat.com

SUPPORT

- Financing & Insurance
- Technology & Solutions
- Protect Your Investment
- Operate Efficiently and Safely
- Maintenance & Support
- Find Your Dealer
- Contact Us

COMPANY

- Caterpillar.com
- Careers
- Corporate Press Releases
- Caterpillar Brands
- Investors

NEWS AND EVENTS

- Product & Service Announcements
- Press Kits
- Trade Shows & Events

CAT SOCIAL


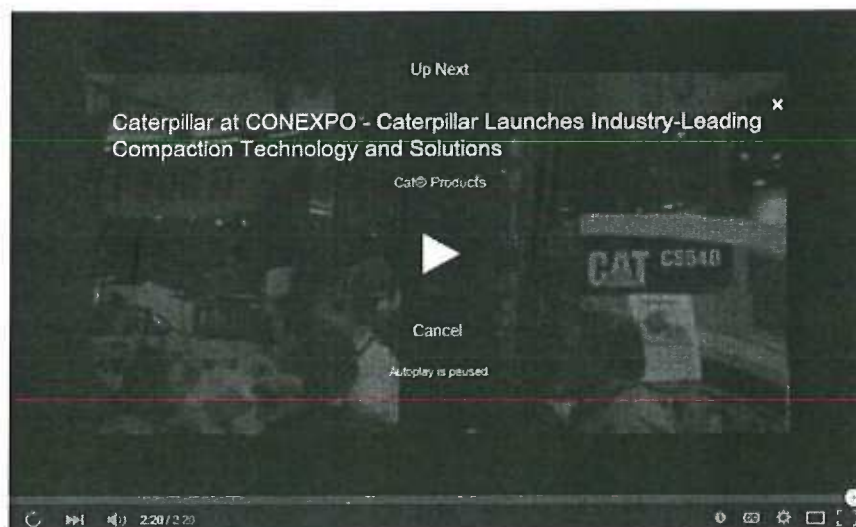
- Facebook
- Google Plus
- LinkedIn
- Twitter
- YouTube
-  Instagram
- All Social Media Accounts

EXHIBIT B

Upload

Sign in



Caterpillar at CONEXPO - Introducing the 586C Site Prep Tractor



Cat® Products

Subscribe 39,806

5,490

Add to

Share

More

21

0

Share

Embed

Email

<http://youtu.be/PwRG2zM5w1Q>
☐ Start at: 2:20

Published on Mar 7, 2014

The new Cat® 586C Site Prep Tractor is a multi-purpose, heavy-duty machine with the muscle to run power-hungry mulchers and brushcutters. Applications include residential/commercial development, land management, right-of-way construction and maintenance, wetlands and wildlife habitat management, plantation reclamation and management, and clearing for flood control and firebreaks.

Learn more about the 586C: <http://bit.ly/1clb7BM>Learn about our exhibits at CONEXPO: <http://bit.ly/1bJmNk>.

Category

Science & Technology

License

Standard YouTube License

SHOW LESS

ALL COMMENTS (5)

Share your thoughts

Top comments ▾



soldlerofdirt81 11 months ago

Finally a machine that will give them damn Prentice and Barko mulchers the boot!

Reply ·



Samantha Floyd 7 months ago

It is a Prentice tractor...

Reply · 1



PCGAMR1 11 months ago

can it act a wheeled loader too?

Reply · 1

Up Next

Autoplay



Caterpillar at CONEXPO - Caterpillar Launches Industry-Leading Compaction Technology and Solutions
by Cat® Products
2,232 views



Caterpillar at CONEXPO - Introducing the MH3037 and
by Cat® Products
1,883 views



Caterpillar at CONEXPO - C Series Articulated Truck Bare
by Cat® Products
2,631 views



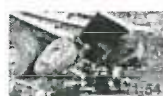
Caterpillar at CONEXPO - Cat Financial Shows Customers
by Cat® Products
2,292 views



Caterpillar Locomotive SD70ACe Inside & Walkaround
by Bauforum24
120,482 views



Cat® 586C Site Prep Tractor
by Cat Forestry
5,721 views



Heavy Equipment Disasters
by CoolPixx23
12,530,501 views



How to build a \$2 million tractor
by CNNMoney
695,458 views



CATERPILLAR 390F & MH3049 BIG EXCAVATOR
by DREAM MACHINES
27,939 views



CAT D11T in action
by SoCalEarthMovers
1,161,058 views



Caterpillar 657 Dirt Sharks Sloping a Bank
by vantagetes
309,427 views



Wood Chipper CBI ChipMax
by woodharvesting
34,499 views



Mammoet Salvage - Cabo de Hornos refloat operation
by Bas Coppes
805,430 views



Extreme Trucking (Clearing out Conexpo pt7)
by Awesome Earthmovers
43,145 views



Extreme Trucking (Clearing out Conexpo)
by Awesome Earthmovers
438,537 views

CONEXPO 2014 Part 1

by Awesome Earthmovers
50,850 views

6:16



Antony Kahil 11 months ago
Is this the prentice machine revamped
Reply ·



Samantha Floyd 7 months ago
Yes. It's got a new CAT C9 and a few other small changes.
Reply · 1

CATERPILLAR 349E
LONG-FOOT EXCAVATOR

by DREAM MACHINES
2,329,829 views

8:05

Caterpillar at CONEXPO - A
First Look at Our Exhibit

by Cat® Products

1:59 15,144 views

Caterpillar at CONEXPO - A
Customers' 988H Certified

by Cat® Products

1:42 3,992 views

CONEXPO 2014; Engcon
Tiltrotator Demo

by vantagetes

7:35 19,452 views

SHOW MORE

Language: English ▾

Country: Worldwide ▾

Safety: Off ▾

History

Help

About Press Copyright Creators Advertise Developers +YouTube

Terms Privacy Policy & Safety Send feedback Try something new!

EXHIBIT C



The Caterpillar Product Line

1-10 . . . TRACK-TYPE TRACTORS — Standard Models

Flywheel power
48 to 612 kW —
65 to 700 hp



LOW GROUND PRESSURE (LGP)

(Wider track, longer undercarriage)



SPECIAL APPLICATION (SA)

(Agricultural applications)



12-20 . . . MOTOR GRADERS

Flywheel power
93 to 186 kW —
125 to 250 hp



200 . . . EXCAVATORS — BACKHOES

Operating weight
17 280 to
63 640 kg —
38,100 to 140,300 lb



FRONT SHOVELS

42 320 to
67 680 kg —
93,300 to
149,200 lb



500 . . . SKIDDERS

Flywheel power
89 and 130 kW —
120 and 175 hp



550 . . . PIPELAYERS

Lift capacity
18 100 to 90 700 kg —
40,000 to 200,000 lb



600 . . . STANDARD WHEEL TRACTOR-SCRAPERS

Heaped capacity
15.3 to 33.6 m³ —
20 to 44 yd³



TANDEM POWERED ELEVATING SCRAPER

Heaped capacity
26 m³ — 34 yd³



TANDEM POWERED SCRAPERS

Heaped capacity
15.3 to 33.6 m³ —
20 to 44 yd³



ELEVATING SCRAPERS

Heaped capacity
8.4 to 26 m³ —
11 to 34 yd³



PUSH-PULL SCRAPERS

Heaped capacity
15.3 to 33.6 m³ —
20 to 44 yd³



700 . . . OFF-HIGHWAY TRUCKS

Capacity
31.8 to 77.1 metric ton —
35 to 85 U.S. tons



OFF-HIGHWAY TRACTORS

Flywheel power
336 to 650 kW —
450 to 870 hp



800 . . . WHEEL TRACTORS

Flywheel power
127 and 231 kW —
170 and 310 hp



COMPACTORS

157 and 231 kW —
210 and 310 hp



LANDFILL COMPACTORS

127 and 231 kW —
170 and 310 hp



900 . . . WHEEL LOADERS

Buckets 0.8 to 0.6 m³ —
1.0 to 13.5 yd³

*High lift arrangement available.



TRACK-TYPE LOADERS





Buckets 0.8 to 3.8 m³ —
1.0 to 5.0 yd³

**LGP arrangement also available.

†Steel mill arrangement also available.



ENGINES

Series	HP	Bore	RPM	Service				
				On-Highway Trucks	Off-Highway Trucks	Industrial	Marine	Generator
300 	375-1425	5.4" 6.25"	1200, 2000		X	X	X	X
3200 	160-210	4.5"	2800	X		X	X	
3300 	100-270	4.75"	2200	X		X	X	X
3400 	280-750	5.4"	2200	X	X	X	X	X

Last two digits indicate number of cylinders, e.g., "04" = 4 cylinder, "12" = 12 cylinder engines. (Exception — 300 Series)

LIFT TRUCKS



M Series. . . . Electric powered with Cushion tires.



T Series. . . . Engine powered with Cushion tires.



V Series. . . . Engine powered with Pneumatic tires.

Lifting Capacity: the nomenclature numerical value times 100, e.g., MC30 = 3,000 lb.; V180 = 18,000 lb. lifting capacity.

Additional Identification: Low Profile or LP (example: M50B LP); Short Turn Radius (example: T60C Short Turn Radius); "C" indicates "compact" versions of the same model with the same lifting capacity (example: MC30).

CONSTRUCTION EQUIPMENT NOMENCLATURE


1 thru 10	Track-type Tractors
12 thru 20	Motor Graders (120, 130, 140 are exceptions)
50 thru 99	Winches
100 thru 199	Unassigned
200 thru 299	Excavators
300 thru 399	Unassigned
400 thru 499	Unassigned
500 thru 550	Skidders
551 thru 599	Pipelayers
600 thru 699	Wheel Tractor-Scrapers
700 thru 799	Off-Highway Trucks, Tractors
800 thru 899	Wheel Dozers and Compactors
900 thru 999	Wheel Loaders (even numbers) and Track Loaders



CATERPILLAR

CATERPILLAR INC.
CORPORATE ARCHIVES

SUBJECT: _____
FORM NO.: AECQ9120
DATE: 1280
FILE NO.: _____
RECORD NO.: 7573

Caterpillar Lift Trucks produced in U.S.A. are manufactured by Towmotor Corporation, subsidiary of Caterpillar Tractor Co. Caterpillar, Cat and  are Trademarks of Caterpillar Tractor Co., Towmotor is a Trademark of Towmotor Corporation

AECQ9120 (12-80)

Materials and specifications are subject to change without notice.

Printed in U.S.A.

CAT0004673

EXHIBIT D

Tigercat® Product Line-up

FELLER BUNCHERS

718



720D



724D



MATERIAL HANDLING

220



230B



240B



SKIDDERS

620C single arch



620C dual arch



630C single arch



HARVESTERS

H822



LH830



H860



FELLING HEADS

1800/2000 Shear



5000/5600 Saw



5500 Saw



726B



822



L830



T240B



244



250



630C dual arch



635C



H09



H16



5400 Saw



5702 Saw



650 Harvesting Head



860



870



L870



T250



S860



DELIMBER

C640C



D860



FORWARDERS

1014



1018B



OTHER

T750 Street Trencher



M760 Mulcher



Tigercat Industries Inc. specializes in the design and manufacture of premium forestry machines, including the full range of conventional full-tree logging equipment and complete cut-to-length harvesting systems. In addition, Tigercat is diversifying beyond forestry with specialized machines for the construction and utilities industries.

In this dynamic and increasingly global industry, equipment requirements are always changing. The only constant is the call for more productivity, greater longevity and less environmental impact.

Tigercat responds with ongoing product enhancement and aggressive new product development. Each Tigercat machine represents a continually evolving solution to the challenges professional loggers face.

Expansive Dealer Network

Tigercat's strong distribution network is constantly expanding in both hemispheres. Tigercat machines are producing in North and South America, Europe, Australia and New Zealand.

Entrepreneurial Spirit

Tigercat's greatest asset is its people. From assembler to designer to administrator, Tigercat employees are empowered to solve problems. As a result, operations at Tigercat are highly efficient and flexible.

Essentially, Tigercat exists due to a remarkable ability to transform problems into solutions. Overcoming adversity is a talent deeply entrenched in Tigercat's culture.

Driving Productivity

Tigercat
Tough • Reliable • Productive

TII 0193



Tigercat
Tough • Reliable • Productive

E-mail: comments@tigercat.com

Internet: www.tigercat.com

Tel: (519) 442-1000

TII 0194

(6055) 3 0504/8M-adv



Tigercat®

Product Line-up

EXHIBIT E

The Tigercat Story

Tigercat Industries Inc. specializes in the design and manufacture of premium quality forestry equipment. The product line includes both rubber tire and track feller bunchers, skidders, harvesters, forwarders, log loaders, shear and saw felling heads and other select off-road machinery.

A customer driven company with strong engineering capabilities, Tigercat thrives on the design and continuous improvement of forestry equipment.

Tigercat operates from seven locations



The prototype 726 feller buncher

Tigercat is refining and redesigning the cut-to-length products to meet harvesting requirements throughout the world.

Cut-to-length equipment bound for the European market is assembled at the Hede facility.

A Brief History

Tigercat began in 1992 when a small group of professionals with extensive experience in all facets of the logging equipment industry teamed up with MacDonald Steel, possessor of leading edge steel fabrication technology.

Extensive field research determined that the performance of drive-to-tree feller bunchers — popular in the southeastern region of the United States — was falling short of the expectations of loggers.

Focusing on the input and reactions of southeastern US loggers, Tigercat set out to design a technically superior alternative. The result was the 726 feller buncher. The 726 was

quickly recognized as a more durable, reliable machine capable of achieving high production in difficult terrain.

The immediate success of the 726, coupled with

Tigercat's high regard for customer satisfaction, set a high standard early in the game which the company constantly aims to surpass.

Strong Dealer Network

As a newcomer in a price sensitive market dominated by industry giants, Tigercat faced multiple challenges. One task was to establish an effective distribution network — equally important as building high quality equipment.



The original MacDonald Steel fabrication plant

The original Tigercat plant now houses loader assembly



in Brantford, Paris, Woodstock and Cambridge, Ontario. These facilities house the design and production teams of all Tigercat equipment as well as steel fabrication, administration, service and parts distribution.

In 2000, Tigercat acquired the assets of Swedish forestry equipment manufacturer, Hemek based in Hede, Sweden. The company operates under the name, Tigercat AB.

Tigercat has broadened its product range with a line of harvesters, forwarders and harvesting heads. Currently

Tigercat is represented throughout North America, in several South American countries as well as Australia, New Zealand, Europe and Russia.

Although varying in size from small, single outlet equipment houses to large entities comprising ten or more stores, Tigercat dealers share a commitment to provide unparalleled service to logging professionals.

In-House Steel Fabricating

Throughout much of MacDonald Steel's 48 year history, it has supplied custom fabrications for many well known heavy equipment manufacturers.



Precision line boring after all welding is completed



European technology: the Tigercat H09 thinning harvester

Recently, Tigercat acquired three fabrication facilities from MacDonald Steel and Manufacturers Metalfab.

Aside from significantly increasing the floor space available for manufacture and assembly, the acquisition is adding considerable advantages and efficiencies to Tigercat's operations.

Lead times for weldments are decreasing. Tigercat

designers and assemblers are able to work more closely with fabricating personnel, improving manufacturing processes and efficiencies. Tigercat has tight control over weldment quality. The company can respond more quickly than ever to the changing requirements of its customers.



Drive-to-tree feller buncher production

Tigercat People

Tigercat's greatest asset is its people. Similar to end users, suppliers and dealers, Tigercat employees are considered business partners. Unhindered by a myriad of rules or long chain of command, employees are treated as entrepreneurs. As a result, production at Tigercat is characterized by a high degree of flexibility, adaptiveness and proficiency.

Members of the Tigercat engineering team are mandated to pursue new product development and continuously improve existing products. Because Tigercat is a customer driven company, field research is encouraged. Engineers frequently visit logging operations to gather information.



The new 630C skidder with the ad



Tigercat builds a range of knuckleboom log loaders

Problems Become Solutions

Market acceptance of Tigercat machines largely resulted from the company's ability to rapidly transform customer feedback into demonstrable product improvements. Essentially, Tigercat exists because of its remarkable ability to transform problems into solutions. Overcoming challenges is an ability that is deeply entrenched in Tigercat's culture.

Design Innovation

Innovation is the norm. The goal is always to provide a piece of equipment to the marketplace that is an improvement over what is currently available and to reduce the cost per ton of wood delivered to the mill.

For example, Tigercat was never satisfied with the inefficient conventional feller buncher knuckleboom that mixes two arcing motions to obtain the desired reach effect.

Tigercat's ER boom allows the feller buncher operator to quickly extend and retract the boom on a horizontal plane with a single joystick. Tigercat has introduced similar ground-breaking innovations in past years such as the development of high capacity bunching saws and shears and the line of hydrostatic skidders.



Tigercat 860 feller buncher with ER boom technology

The hydrostatic skidders have found many applications where they greatly out-produce anything the contractors had ever operated before. Tigercat attachments have significantly increased feller buncher productivity and raised the bar for all equipment manufacturers.

Tigercat has over thirty base models in its stable and has been willing to build variations and special machines to suit

LH830 harvester with telescopic boom was initially designed for the UK market



Advanced hydrostatic drive system



The Tigercat M760 mulcher for commercial land clearing, right-of-way and silvicultural applications

specific customer requirements. This willingness has led to successful new models such as the LH830 harvester with a telescopic boom, initially developed for Scotland.

Tigercat has extended its product applications to other industries. Knuckleboom loaders have found application in scrap yards and rock quarries. The M726D and M760 mulchers are used in the construction, utility and public works sectors.

Tigercat's core design strategy is to produce tough, reliable, productive forestry machines that reduce cost per ton. This strategy coupled with Tigercat's philosophy of continuous improvement drives all product development.

Tigercat's full line of premium quality logging equipment has become the benchmark of the industry.

Tigercat Milestones

Superior product support has helped end users to feel comfortable buying Tigercat machines. The personal attention to customers' service issues has created a great deal of confidence and good will, enabling Tigercat to build and sell more machines than might have otherwise been possible.



Tigercat high capacity felling attachments have greatly improved feller buncher productivity and become the industry standard



Tigercat's 5,000 machine celebration in May 2004

In 2002 Tigercat celebrated its 10th Anniversary. In the spring of 2004, the company proudly announced the shipment of its 5000th machine.

Tigercat currently has over 800 employees, a far cry from the handful of people that designed and built the first 726 feller buncher.

EXHIBIT F

The Tigercat logo is displayed in orange text on a dark background.

NEWS CENTER

News General News Tigercat Adds Off-Road Industrial Product: S610C Sprayer

TIGERCAT ADDS OFF-ROAD INDUSTRIAL PRODUCT: S610C SPRAYER

Published on: Thursday 12th August 2010

Tigercat recently opened a new division that specializes in the engineering and development of specialty machines for off road industrial applications.

PARIS ON, AUGUST 12, 2010 – The applications and industries currently served include land clearing and ROW maintenance, aerial device carriers for utilities industry applications and site preparation. The newly developed S610C sprayer addresses off road herbicide and fertilizer applications.

The S610C can be easily equipped with a fertilizer hopper and broadcaster or a herbicide tank with sprayers for fertilizer and herbicide application in young plantations or other difficult off road applications.

Based on the 610C platform, S610C is a purpose built machine with a number of special design elements. A load sensing hydraulic system reduces fuel consumption. With the help of pressure compensated hydraulics, the spreader or sprayer feed rate automatically adjusts to changes in travel speed, resulting in consistent coverage.

An automatic variable speed/reverse pitch fan and additional air intake screens prevent debris build-up. This is a significant issue in juvenile plantations that have never been thinned.

The overall width is significantly reduced through blade, axle and wheel mount modifications to allow passage through the tightly spaced rows of very heavily limbed immature trees. The machine has an oscillating centre joint in place of the oscillating front axle that skidders are typically equipped with.

Donald Robbins owner of Robbins Forestry Inc. was instrumental in the development of this model and has taken delivery of the first two units. He has contracts in Georgia and Florida to improve timber stand health and control understorey in pine plantations.

About Tigercat

Tigercat Industries designs and manufactures premium quality forestry and specialized off-road equipment with manufacturing facilities in Canada and Sweden and worldwide distribution. The diverse product range includes complete full-tree and cut-to-length harvesting systems, a growing line of land clearing and vegetation management equipment and specialized off road industrial machinery.

Tigercat Industries designs and manufactures premium quality forestry and off-road equipment with manufacturing facilities in Canada and worldwide distribution. The diverse product range includes complete full-tree and cut-to-length harvesting systems, a growing line of land clearing and vegetation management equipment and specialized off-road industrial and material handling machinery.

TIGERCAT, WIDERANGE, TURNAROUND, ER, EHS, and TEC, their respective logos, TOUGH RELIABLE PRODUCTIVE, TIGERCAT TV, "Tigercat Orange" and BETWEEN THE BRANCHES, as well as corporate and product identity, are trademarks of Tigercat International Inc., and may not be used without permission. TIGERCAT, TURNAROUND, and ER, and their respective logos are registered trademarks of Tigercat International Inc., P.O. Box 637, 54 Morton Avenue East, Brantford, Ontario, Canada N3T 5P9. © 2001 – 2015 Tigercat International Inc. All Rights Reserved.

For all the latest news and developments, 'like' Tigercat on facebook: www.facebook.com/Tigercat

Contact:

Samantha Paul, marketing specialist

Tigercat Industries Inc.

tel: 519-753-1539 ext. 4279

email: spaul@tigercat.com

Share This



Recent News

[New Product Support Representative](#)

[Tigercat Increases Product Support in Southern US](#)

[Tigercat's First G-series Drive-to-Tree Feller Buncher](#)

Browse by Month

Select Month

Connect With Us



Find a Tigercat
dealer

Enter region, country, city

Find Dealer

[Legal](#) | [Privacy Policy](#)



For the Copyright 2001 - 2015 Tigercat International Inc. All Rights Reserved

EXHIBIT G



Off Road Industrial Equipment

The off-road industrial engineering division capitalizes on Tigercat's unique abilities and experience. For over two decades Tigercat has designed and built forestry equipment with increasingly complex hydraulic and electronic systems that are able to survive some of the harshest operating environments on the planet. Tigercat productivity, efficiency and uptime levels lead the industry.

Tigercat's strict focus on engineering and research and development has also spawned significant innovations in the forestry industry such as high capacity bunching heads, ER boom technology and the Turnaround cab.

Tigercat's off-road industrial engineering division seeks to develop machines required for highly specialized off-road industrial applications.

Tigercat off-road industrial products currently focus on two key areas, vegetation management equipment and off-road carriers. Industries served include the utilities sector and oil and gas producers and exploration companies.

If your current equipment is falling short of expectations whether in performance, uptime, reliability or efficiency, contact Tigercat today to discuss your specialized off-road equipment requirements.




Mulchers

Sprayers

Aerial Devices








ABOUT | SUPPORT | CONTACT | SHOP


English


HOME FORESTRY OFF ROAD INDUSTRIAL MEDIA SAFETY DEALER LOCATOR PRE-OWNED BETWEEN THE BRANCHES



 **Ask an Expert**
we have the answers

 **Tigercat TV**
watch our models in action

 **News Centre**
keep up with industry news

 **Shows & Events**
come and visit us

AD610C Aerial Device Carrier Overview

The new AD610C is an off-road machine designed to carry an aerial device for utility applications. The AD610C is based on a standard 610C skidder, an extreme duty cycle forestry machine.

AD610C applications include tree trimming, line clearing and aerial work around energized conductors.

The carrier can easily be adapted to accommodate a wide variety of aerial devices, digger/derricks, material handlers or other types of truck-mounted equipment to provide a powerful off-road delivery vehicle for tough-to-access work areas.

Aerial Devices



[AD610C - Print Quality](#)

[AD610C - Web Quality](#)

Key Benefits

- Well suited to tough terrain and able to be road driven
- Refined, efficient load sensing hydraulic system
- Ergonomic, joystick steering
- Turnaround™ equipped.
- 15,875 kg (35,000 lb) recovery winch
- Built in tool storage compartments
- Axle oscillation lock for stability when operating the aerial device
- Automatic variable pitch, reversing fan saves fuel and keeps the heat exchangers cleaner
- Integrated safety interlocks
- Aerial devices up to 70 ft

Log in | Privacy Policy | Ask an Expert | Model Locator



ABOUT | SUPPORT | CONTACT | SHOP

English

HOME FORESTRY OFF ROAD INDUSTRIAL MEDIA SAFETY DEALER LOCATOR PRE-OWNED BETWEEN THE BRANCHES



Click to view full image

Ask an Expert
we have the answers

Tigercat TV
watch our models in action

News Centre
keep up with industry news

31 Shows & Events
come and visit us

Mulchers

Tigercat wheel and track driven mulchers are designed to withstand extreme duty cycles and challenging operating environments, while maintaining high machine availability rates -- all important in time-sensitive right-of-way (ROW) and commercial and industrial land clearing projects. Tigercat mulcher carriers range in capacity from 173 -500 hp. All Tigercat mulcher carriers benefit from heavy duty steel construction, high capacity cooling systems, efficient hydraulic circuits and comfortable operating environments,

Mulchers

M726E

480

M718E

470



S610C Spreader/Sprayer Overview

The S610C is designed for broadcasting herbicides and fertilizers in juvenile tree plantations and other challenging off road applications.

The S610C can be easily equipped with a fertilizer hopper and broadcaster or a herbicide tank with sprayers.

Based on the 610C platform, the S610C sprayer can handle tough terrain, temperature extremes and high volumes of airborne debris.

Sprayers

S610C

S630D

Key Benefits

- Well suited to tough terrain
- Pressure compensated broadcaster hydraulics allows the feed rate to automatically adjust to changes in travel speed, resulting in consistent coverage
- Automatic variable pitch, reversing fan saves fuel and keeps the heat exchangers cleaner
- Load sensing hydraulic system reduces fuel consumption
- Narrow fixed front axle with centre joint oscillation allows extremely narrow overall width for traveling between rows in juvenile plantations
- Additional air intake screens further prevent debris build-up



EXHIBIT H



THE RIGHT WAY TO DO RIGHT-OF-WAY.

widerANGE

The **Tigercat M726E** is an asset in pipeline clearing and maintenance applications. In heavy duty applications, the large attachment pump supplies high flow to the head for excellent performance. The high capacity cross-flow cooling system allows for highest uptime rates even in extremely hot, dusty conditions.

In ROW maintenance applications, Tigercat's WideRange™ permits quicker travel speeds for improved production. Visit www.tigercat.com/widerange to learn more about the exclusive benefits of WideRange.

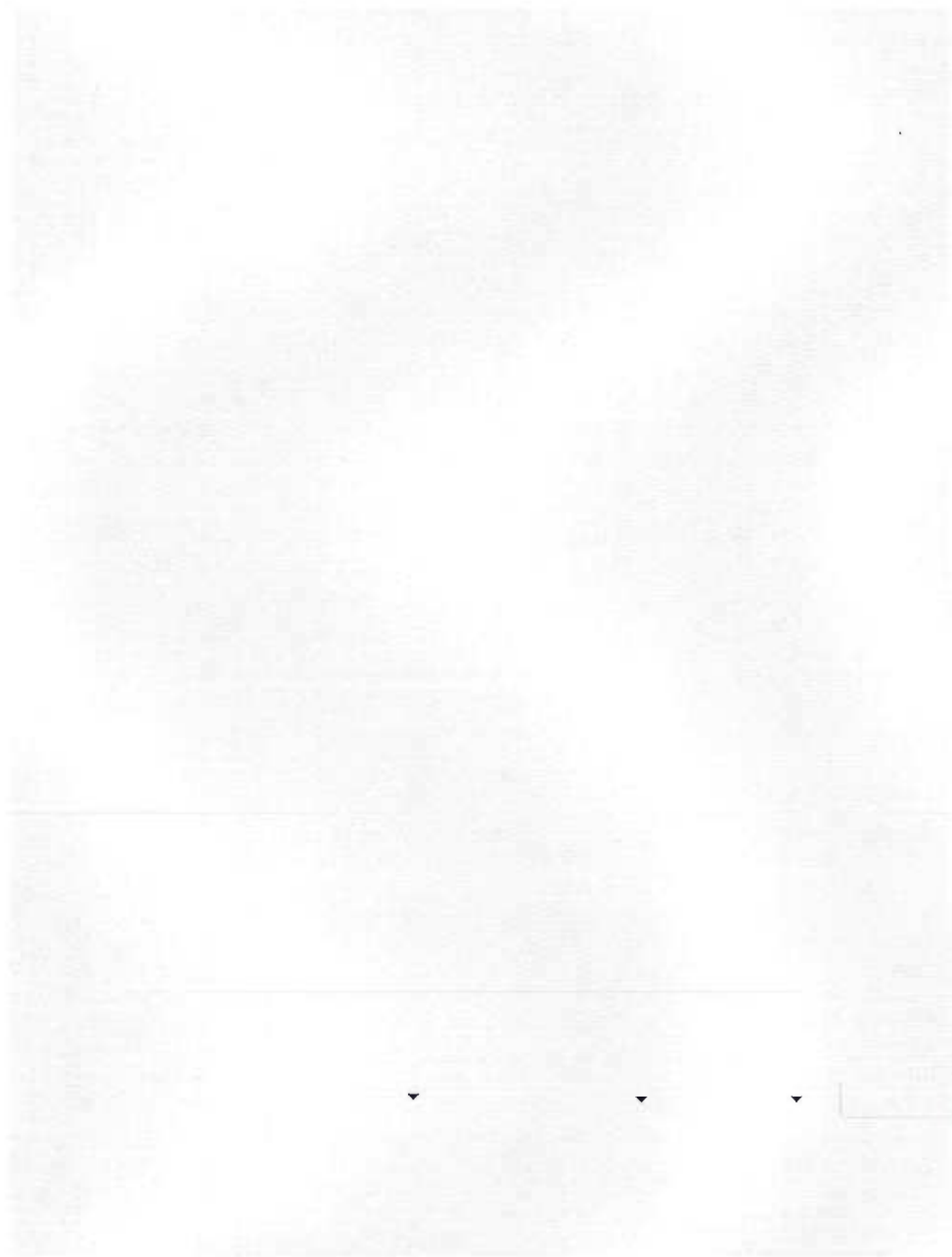
Tigercat®

off road industrial products

519.753.2000
comments@tigercat.com

www.tigercat.com

EXHIBIT I



2,282 views

4:20

Shovel Logger Tigercat LS855C

by woodharvesting

2:47

2,791 views

Tigercat LX830C Working In A Douglas Fir Stand

by TREEKILLR

12:20

11,077 views

mulching trees site clearance Agricontract.com and

by OLLY Agricontract

1:05

8,866 views

Small tractor log skidder.mpg

by tarepko

1:41

355,829 views

Massey Ferguson 6290 hill mowing

by JO5HII

4:00

5,470 views

Loftness Timber Ax Hydraulic Skid-Steer Mounted Brush

by Loftness2010

6:13

83,021 views





Mulcher Tigercat M726E Pipeline



woodharvesting

13,438



16,440

Uploaded on Jul 17, 2011

Tigercat M726E mulcher in a pipeline right-of-way application in Louisiana.

From: Tigercat Website

<http://www.tigercat.com>



Loading...



Up Next

Autoplay



FAE forestry mulcher in action 1

by Thomas Byrd
104,750 views



Can your mower do this?

AD by Ventrac
145,791 views



XERION FORST

by lexionterrac
1,472,084 views



V&V Land Management - Shinn Systems Mulching Head

by V&V Land Management
1,421,399 views



GT 25XP Felling a Cotton Wood

by geterdonewiest
1,401,844 views



FENDT - EXTREME SNOW PLOWING part 2

by mojzes
2,458,436 views



GALOTRAX 800 - World heaviest forestry mulcher /

by PLAISANCE54
200,224 views



Jenz Hem 1000

by MrJohann1963
644,772 views

Apple Harvest Molagnies 2010

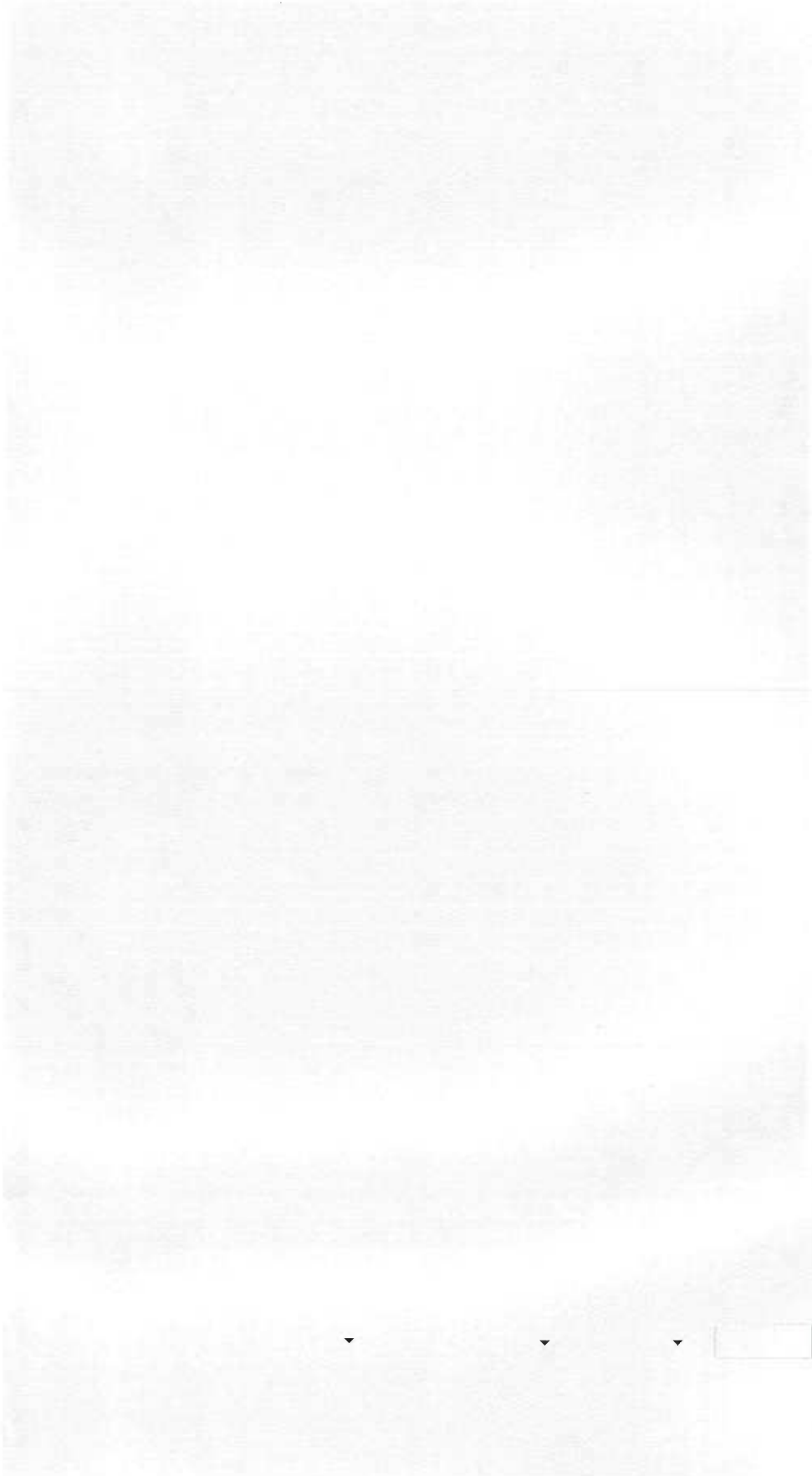
by Grahame Holder
7,363,420 views

1:00

Bandit Model 5000 Forestry Mower

by Bandit Chippers
2,158,298 views

9:24



**Terex Forestry Mulcher Mower
- Land Clearing in VA by JR**

by Jonathan Baigis

286,844 views

4:22

Tigercat mulcher line-up Part 1

by steam0001

189,326 views

9:49

**Bemad GreenCargo + Joskin
Tornado 3 in action**

by Tractorspotter

778,122 views

3:18

Rübenschnitzler Alligator

by Günter Schmieling

440,890 views

3:42

Пилорама

by TheSterlitamak

708,191 views

7:11

**PTH Stabicrusher,
Aeschlimann Umwelttechnik,**

by tomhol01

358,830 views

4:14

**Tree relocation. Giant Tree
Spade at Work. Move trees up**

by americanreesescapes

1,567,652 views

14:12

**Tigercat Southern Hemisphere
Harvesting Systems(2007) Part**

by steam0001

208,800 views

7:19

Fall Harvest

by sandylandfarms,

2,990,180 views

9:50

South Texas Brush Clearing

by AEHILLER

258,153 views

0:29

Spannungssimulator

by waldloesungen

1,717,230 views

5:54

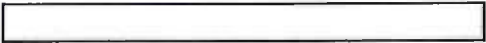


EXHIBIT J

COMPANY

CONSTRUCTION

AGRICULTURE

POWER SYSTEMS

RENTAL TRUCKS
ZIEGLER CAT

[HOME](#) / [CONSTRUCTION](#) / [PRODUCTS](#) / [NEW EQUIPMENT](#) / [FORESTRY](#)

PRODUCTS

SERVICE

PARTS

CONTACT US

NEW EQUIPMENT

CONSTRUCTION

LANDSCAPING

FARMING & AGRICULTURE

DEMOLITION & SCRAP

FORESTRY >

MINING

PAVING

QUARRY & AGGREGATE

WASTE



FOREST MACHINES



HYDRAULIC EXCAVATORS



DOZERS



MOTOR GRADERS



HARVESTERS



FELLER BUNCHERS



SKIDDERS



FORWARDERS



KNUCKLEBOOM LOADERS



WHEEL LOADERS



TELEHANDLERS



WHEEL DOZERS



SITE PREP TRACTORS

ZIEGLER CAT IS YOUR SOURCE FOR NEW CAT® FORESTRY EQUIPMENT

Ziegler CAT provides comprehensive sales and support for all new Cat heavy machinery for forestry, logging, and related industries. If you've been considering upgrading your fleet of forest machines, hydraulic excavators, feller bunchers, or other equipment, contact us today — new Cat logging equipment contains a number of improvements and advances that can increase your productivity, lower your operating costs, and improve on-the-job safety.

BUILT FOR PRODUCTIVITY AND VALUE

The current generation of Cat logging equipment has been designed to meet the needs of today's owners and operators — that means smoother performance, better fuel economy and more flexibility to accommodate different work environments. Whether it's operating in rough or steep terrain, moving the most demanding loads, or traveling from one site to the next, Cat forestry equipment gets the job done better with more efficient powertrains, more responsive controls and more tooling options than ever before. Follow the links above for additional information about new Cat skidders, forwarders, knuckleboom loaders, and other forestry equipment for sale from Ziegler CAT.

PROTECT YOUR INVESTMENT WITH EXTENDED WARRANTY COVERAGE

Forestry demands a lot from your machinery. While our logging equipment can be relied on for years of trouble-free use, the extended warranty plans and maintenance packages available for new Cat forwarders and other heavy machinery provide you peace of mind knowing you'll be protected at all times. Our plans are flexible and allow you to choose the

amount of coverage you want. In the event of a breakdown, Ziegler CAT offers 24 hour emergency field service from Caterpillar® factory certified technicians that will get you back up and running quickly.

EXPANSION MADE EASY

Forestry and logging operations looking to grow their business with new Cat forestry equipment have a number of convenient financing options available through Ziegler CAT. Our team will work with you to find a plan that respects your budget and lets you expand sustainably. Contact your sales representative, or stop by a location near you for more information.

COMPANY

CONSTRUCTION

AGRICULTURE

POWER SYSTEMS

RENTAL TRUCKS
ZIEGLER CAT

HOME / CONSTRUCTION / PRODUCTS / NEW EQUIPMENT / LANDSCAPING

PRODUCTS

SERVICE

PARTS

CONTACT US

NEW EQUIPMENT

CONSTRUCTION

LANDSCAPING

FARMING & AGRICULTURE

DEMOLITION & SCRAP

FORESTRY

MINING

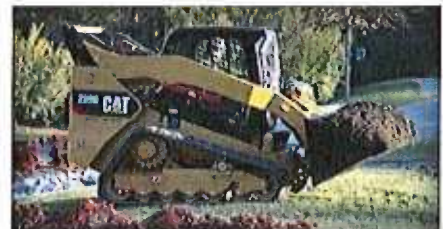
PAVING

QUARRY & AGGREGATE

WASTE



SKID STEER LOADERS



COMPACT TRACK AND
MULTI TERRAIN LOADERS



WHEEL LOADERS



HYDRAULIC EXCAVATORS



BACKHOE LOADERS

BUY NEW CAT® LANDSCAPING EQUIPMENT AT ZEIGLER CAT

Let Ziegler CAT match you with the new Cat landscaping equipment that will help you grow your business. We offer the latest selection of both heavy and compact equipment delivering the power and flexibility required to take on the most demanding jobs. The current lineup of new Cat landscaping equipment includes:

- **Skid steer loaders:** The latest generation of Cat skid steer loaders from Ziegler CAT have operating capacities ranging from 1,400 to 3,600 lbs. Cat skid steer loaders feature improved controls, greater fuel efficiency, and a wide range of tooling options and can be used for general purpose landscaping, landscape design and more.

Compact track and multi-terrain loaders: Cat multi-terrain loaders are well known for their versatility, flotation, and their ability to operate in tight spaces and rough terrain. Today's compact track loaders feature improvements like a fully pressurized cab, the proprietary Caterpillar® Advanced Machine Information and Control System, and an available 3.8L turbocharged engine.

- **Wheel loaders:** From the 994H — the world's largest wheel loader — to the compact 907H2, the current selection of Cat wheel loaders for sale from Ziegler CAT delivers power, operator comfort and precision controls at a price that makes it easy to upgrade your fleet of landscaping equipment.
- **Hydraulic excavators:** Dig deeper, reach farther, and lift more with Cat hydraulic excavators. With operational weight ratings ranging from 2,060 lbs (the compact 300.9) to 190,016 lbs (the 390), our new Cat hydraulic excavators handle jobs of any size.
- **Backhoe loaders:** Cat backhoe loaders include center pivot models to handle all your digging, trenching, back filling, and material handling needs. With powerful hydraulics, newly redesigned controls and improved fuel efficiency, a new Cat backhoe loader is an investment that will improve your productivity and lower your operating costs.

As an authorized dealer of Caterpillar® products, Ziegler CAT offers comprehensive warranty service, the best selection of replacement parts, and a number of convenient financing options that allow you to expand your fleet on terms that work for you.

For more information, contact our sales team today, or visit the Ziegler CAT location nearest you.

COMPANY

CONSTRUCTION

AGRICULTURE

POWER SYSTEMS

RENTAL TRUCKS
ZIEGLER CAT

HOME / CONSTRUCTION / PRODUCTS / NEW EQUIPMENT / FARMING & AGRICULTURE

PRODUCTS

SERVICE

PARTS

CONTACT US

NEW EQUIPMENT

CONSTRUCTION

LANDSCAPING

FARMING & AGRICULTURE >

DEMOLITION & SCRAP

FORESTRY

MINING

PAVING

QUARRY & AGGREGATE

WASTE



SKID STEER LOADERS



COMPACT TRACK AND
MULTI TERRAIN LOADERS



WHEEL LOADERS



HYDRAULIC EXCAVATORS



BACKHOE LOADERS



TELEHANDLERS



DOZERS

CAT® FARMING EQUIPMENT

Owners and workers in today's agricultural markets demand equipment that rises to the challenges of 21st century farms. Ziegler CAT the latest selection of Cat agricultural equipment. We are your source for new Cat multi terrain loaders, bulldozers, backhoe loaders, and more — everything you need to take care of demanding jobs quickly, efficiently, and with a lower cost of ownership than any other product on the market.

WHY PURCHASE NEW?

While Ziegler CAT offers a large selection of quality used farm equipment by Caterpillar® and many other brands, there are a number of compelling reasons for investing in new Cat farming equipment:

- **Lower cost of ownership:** New Cat ag equipment for sale from Ziegler CAT incorporates a number of fuel-saving efficiencies that will reduce your overhead costs and better prepare you for future emissions requirements, including US EPA tier 4 standards.
- **Ease of repair:** New Cat bulldozers and other equipment for sale from Ziegler CAT are less expensive to maintain and faster to repair than older models. Extended warranty coverage is available to protect your investment, as well as 24 hour on-site emergency service from our team of factory-certified technicians.
- **Operator comfort:** Buy new Cat farming equipment and you can take advantage of the latest advancements in control technology and cockpit design, improving your productivity and reducing operator fatigue.

ASK ABOUT FINANCING OPTIONS

Buying a new Cat skid steer loader or backhoe loader, is easy with flexible, affordable financing options available from Ziegler CAT. Our team can work with you to find a realistic credit solution that works with your budget.

Contact Ziegler Cat for more information about our full lineup of new Cat ag equipment for sale. Visit a location near you to see for yourself the benefits of adding a new Cat backhoe, telehandler, or track-type tractor to your farming operation.

COMPANY

CONSTRUCTION

AGRICULTURE

POWER SYSTEMS

RENTAL TRUCKS
ZIEGLER CAT

[HOME](#) / [CONSTRUCTION](#) / [PRODUCTS](#) / [NEW EQUIPMENT](#) / [FORESTRY](#)

PRODUCTS

SERVICE

PARTS

CONTACT US

NEW EQUIPMENT

CONSTRUCTION

LANDSCAPING

FARMING & AGRICULTURE

DEMOLITION & SCRAP

FORESTRY >

MINING

PAVING

QUARRY & AGGREGATE

WASTE



FOREST MACHINES



HYDRAULIC EXCAVATORS



DOZERS



MOTOR GRADERS



HARVESTERS



FELLER BUNCHERS



SKIDDERS



FORWARDERS



KNUCKLEBOOM LOADERS



WHEEL LOADERS



TELEHANDLERS



WHEEL DOZERS



SITE PREP TRACTORS

ZIEGLER CAT IS YOUR SOURCE FOR NEW CAT® FORESTRY EQUIPMENT

Ziegler CAT provides comprehensive sales and support for all new Cat heavy machinery for forestry, logging, and related industries. If you've been considering upgrading your fleet of forest machines, hydraulic excavators, feller bunchers, or other equipment, contact us today — new Cat logging equipment contains a number of improvements and advances that can increase your productivity, lower your operating costs, and improve on-the-job safety.

BUILT FOR PRODUCTIVITY AND VALUE

The current generation of Cat logging equipment has been designed to meet the needs of today's owners and operators — that means smoother performance, better fuel economy and more flexibility to accommodate different work environments. Whether it's operating in rough or steep terrain, moving the most demanding loads, or traveling from one site to the next, Cat forestry equipment gets the job done better with more efficient powertrains, more responsive controls and more tooling options than ever before. Follow the links above for additional information about new Cat skidders, forwarders, knuckleboom loaders, and other forestry equipment for sale from Ziegler CAT.

PROTECT YOUR INVESTMENT WITH EXTENDED WARRANTY COVERAGE

Forestry demands a lot from your machinery. While our logging equipment can be relied on for years of trouble-free use, the extended warranty plans and maintenance packages available for new Cat forwarders and other heavy machinery provide you peace of mind knowing you'll be protected at all times. Our plans are flexible and allow you to choose the

amount of coverage you want. In the event of a breakdown, Ziegler CAT offers 24 hour emergency field service from Caterpillar® factory certified technicians that will get you back up and running quickly.

EXPANSION MADE EASY

Forestry and logging operations looking to grow their business with new Cat forestry equipment have a number of convenient financing options available through Ziegler CAT. Our team will work with you to find a plan that respects your budget and lets you expand sustainably. Contact your sales representative, or stop by a location near you for more information.

COMPANY

CONSTRUCTION

AGRICULTURE

POWER SYSTEMS

RENTAL TRUCKS
ZIEGLER CAT

HOME / CONSTRUCTION / PRODUCTS / NEW EQUIPMENT / MINING

PRODUCTS

SERVICE

PARTS

CONTACT US

NEW EQUIPMENT

CONSTRUCTION

LANDSCAPING

FARMING & AGRICULTURE

DEMOLITION & SCRAP

FORESTRY

MINING >

PAVING

QUARRY & AGGREGATE

WASTE

MINING



HYDRAULIC EXCAVATORS



HYDRAULIC MINING SHOVELS



ARTICULATED TRUCKS



DRAGLINES



DRILLS



ELECTRIC ROPE SHOVELS



OFF-HIGHWAY TRUCKS



WHEEL TRACTOR-SCRAPERS



DOZERS



WHEEL DOZERS



WHEEL LOADERS

NEW CAT® MINING EQUIPMENT

Mining professionals have been relying on the legendary quality and durability of Cat equipment since 1925. Contact Ziegler CAT today for everything from draglines and hydraulic shovels to off-highway trucks, tractors, and drills. We offer unparalleled sales, support, and service for all new Cat mining equipment. Our experienced staff have years of experience serving clients in the mining industry and can help you select the best product for your needs.

CAT MINING EQUIPMENT: WHY BUY NEW?

The current generation of new Cat mining equipment — available at Ziegler CAT — is the broadest and best-equipped yet. New Cat drills available for sale include both rotary and track models incorporating advanced features for improved fuel efficiency and serviceability, including the Smart Drill hydraulic control system. We also offer Cat off-highway trucks built specifically for use in surface and strip-mining operations that feature improved altitude compensation for use in depths up to 14,000 feet. Contact a Ziegler CAT mining equipment specialist to discuss your specific needs.

FINANCING AND MAINTENANCE PLANS AVAILABLE

When you're ready to expand your fleet by purchasing new Cat mining equipment, Ziegler CAT can help safeguard your investment with extended warranties and maintenance plans backed by our team of factory-trained heavy equipment technicians. We have around-the-clock emergency field service to minimize downtime when repairs are needed. We also offer several different flexible financing options, so you can get the equipment you need without a large initial capital investment.

ONGOING SUPPORT FOR THE FUTURE OF YOUR INDUSTRY

Ziegler CAT is committed to being your partner for the long term, with superior support and the best selection of heavy equipment available. Let us help you find solutions that harness the leading-edge technology the Caterpillar® brand has been consistently delivering for over 80 years. For more information about how Ziegler CAT can help you, contact our team today.

COMPANY

CONSTRUCTION

AGRICULTURE

POWER SYSTEMS

RENTAL TRUCKS
ZIEGLER CAT

HOME / CONSTRUCTION / PRODUCTS / NEW EQUIPMENT / CONSTRUCTION

PRODUCTS

SERVICE

PARTS

CONTACT US

NEW EQUIPMENT

CONSTRUCTION >

LANDSCAPING

FARMING & AGRICULTURE

DEMOLITION & SCRAP

FORESTRY

MINING

PAVING

QUARRY & AGGREGATE

WASTE



ARTICULATED TRUCKS



BACKHOE LOADERS



COMPACT TRACK AND
MULTI TERRAIN LOADERS



COMPACTORS



HYDRAULIC EXCAVATORS



MOTOR GRADERS



OFF-HIGHWAY TRUCKS



SKID STEER LOADERS



TELEHANDLERS



DOZERS



WHEEL DOZERS



WHEEL LOADERS



TRACK LOADERS



WHEEL EXCAVATORS

NEW CAT® CONSTRUCTION EQUIPMENT

With the full-line of new Cat construction equipment for sale, Ziegler CAT has what you need to take on any job. The latest generation of Cat equipment combines the power and durability the brand is famous for with a low cost of ownership made possible by recent advances in powertrain technology. If you've been waiting to upgrade your fleet of heavy equipment, there's no time like now, and there's no dealer with the selection, experience and unparalleled customer support Ziegler CAT offers.

QUALITY EQUIPMENT THAT MEETS THE NEEDS OF YOUR INDUSTRY

Whether it's roadwork, construction or demolition, Ziegler CAT has the equipment today's contractors rely on to get the job done right. Choose from a wide selection of new Cat articulated trucks, dump trucks, backhoe loaders, bulldozers and more — we are the exclusive provider of new Cat construction equipment in Minnesota and Iowa and offer full warranty support, financing, maintenance plans and more. Contact your salesperson for more information about our full lineup of Cat skid steer loaders and other new equipment for sale.

MEET TODAY'S CAT CONSTRUCTION EQUIPMENT

Visit a Ziegler Cat location near you, and discover for yourself how the current generation of Cat equipment is:

- **More fuel efficient:** New Cat telehandlers, bulldozers and other heavy equipment feature several innovative new fuel saving technologies that can lower your cost of ownership.

Easier to control: It's now easier than ever to harness the legendary power of Cat equipment — new Cat backhoe loaders feature completely redesigned operator stations with ergonomic, automotive-inspired controls that maximize comfort and productivity on the job.

- **More flexible:** The expanded tooling options on new Cat skid steer loaders and other products are adaptable to a wide range of tasks and operating conditions — contact the Ziegler CAT team today to discuss your specific needs and how we can meet them.

EXHIBIT K



FEATURES AND ADVANTAGES:

- Powerful CAT 3196 425 hp engine
- Durable construction based on woods-proven Tigercat feller bunchers
- Quiet, comfortable and climate controlled operator's station
Excellent all-around visibility
- High capacity cross-flow cooling
Hydraulically driven reversible fan to easily clear debris
- Excellent Service Access
Easy access to pumps and filters through the rear engine house door

The M760 mulcher effectively clears trees, stumps and brush, leaving behind a coarse wood mulch.

The M760 is ideal for commercial land-clearing and right-of-way applications as well as site-preparation work.

SPECIFICATIONS:

DIMENSIONS (WITH 30.5 x 32 TIRES)

LENGTH (Approx. with head)	320" (8,100 mm)
(Less head)	265" (6,750 mm)
WIDTH	115" (2,900 mm)
HEIGHT (Overall)	143" (3,650 mm)
(Less removeable skylight)	135" (3,450 mm)
GROUND CLEARANCE	25" (635 mm)
WHEELBASE	125" (3,175 mm)
FRAME ARTICULATION	45°
WEIGHT (Less attachment head)	33,000 lbs (14,970 kg)

POWER

ENGINE	CAT 3196 ATAAC 425 hp
COOLING	Aluminum fin radiator, oil cooler and charge air cooler
	Variable speed, reversible hydraulically driven cooling fan
FUEL CAPACITY	210 (US) gal. (795L)

POWER TRAIN

HYDROSTATIC	Variable speed hydrostatic
TRANSFER CASE	1-speed mechanical
AXLES	Conventional differential Inboard planetaries; Independent differential locks, front and rear
Front	Fixed
Rear	15° degree oscillation each way

BRAKES

DYNAMIC BRAKING	Hydrostatic
SECONDARY BRAKES	Enclosed, oil immersed
PARK BRAKE	Manual, driveline disc brake

TIRES

STANDARD	30.5L-32
OPTIONAL	67X34.00-26, 66X43.00-26, 28L-26

ELECTRICAL

BATTERY	(2) 12 volt 950 cca
ALTERNATOR	145 amp

HYDRAULIC SYSTEM

PUMPS	Drive, Mulcher, Fan, Boom/Steer/Cooling
RESERVOIR	90 (US) gal. (340 L)
FILTRATION	7 micron, full flow
BOOM CYLINDERS	4.5" (115 mm) bore lift and tilt
STEER CYLINDERS	3" (75 mm) bore

OPERATOR'S STATION

CAB	Fully enclosed and insulated
	2 doors and removeable skylight
	Air conditioner, heater and pressurizer
	Forward sloping, thick polycarbonate windshield; Sliding glass side windows
	Side door screens
	AM/FM stereo cassette with clock
SEAT	Heavy duty suspension, fully adjustable
	Armrest mounted joysticks
CONTROLS	Hydraulic pilot for boom, travel and steering

OTHER STANDARD EQUIPMENT

Precleaner and 2-stage engine air cleaner
Back-up alarm; Fire extinguisher; Pressurized water system

OPTIONAL EQUIPMENT

Work lights; Wiper/washer, Variable rate, power steering
13.2 CFM air compressor with 20 gallon tank

MULCHING ATTACHMENT

Flexible hydraulic system can be tailored to accept various horizontal drum brush cutter heads with drives requiring over 400 hp
--



Tigercat®

40 Consolidated Dr.
P.O. Box 544
Paris, Ontario
Canada, N3L 3T6
Tel: (519) 442-1000
Fax: (519) 442-1855

Tigercat M760 Mulcher



The M760 mulcher efficiently clears heavy brush, standing trees, blowdown and stumps, leaving behind a coarse wood mulch.

Ideal for right-of-way, commercial land-clearing and site-preparation applications, the M760 is a powerful, durable and reliable carrier designed for extreme duty.

Features and Advantages:

- **Powerful CAT C-12 425 hp electronic engine**
- **Unique hydraulic system directs full power to the mulching attachment as required**
- **Travel speed control lever**
 - For improved machine control and reduced operator fatigue
- **Extreme duty carrier**
 - Based on the woods-proven Tigercat feller buncher line
- **Quiet, comfortable and climate controlled operator's station**
 - Excellent all-around visibility
- **High capacity cross-flow cooling system**
 - Thermostat controlled, variable speed reversible fan for optimal fuel efficiency and machine warm-up
 - Automatically reverses to purge debris from the intake area
 - Nearly eliminates the requirement to manually clean the heat exchangers
- **Excellent Service Access**
 - Easy access to pumps and filters through the rear engine house door



High capacity cross-flow cooling system for efficient operation



Spacious and ergonomic operator's station



Excellent service access through large rear door

Tigercat®

SPECIFICATIONS:

DIMENSIONS (with 30.5L-32 tires)

LENGTH (approx. with head)	320 in. (8,130 mm)
WIDTH	115 in. (2,920 mm)
HEIGHT (Overall)	143 in. (3,630 mm)
(Less removable lights, skylight)	135 in. (3,430 mm)
GROUND CLEARANCE	25 in. (635 mm)
WHEELBASE	125 in. (3,175 mm)
FRAME ARTICULATION	45°
WEIGHT (Less attachment head)	35,000 lbs (15,880 kg)

POWER

ENGINE	CAT C-12 425 hp (316 kW)
COOLING	Aluminum fin radiator, oil cooler and charge air cooler Automatic variable speed, reversible, hydrostatically driven cooling fan
FUEL CAPACITY	210 US gallon (795L)

POWER TRAIN

HYDROSTATIC	Variable speed hydrostatic (2) variable displacement motors
TRANSFER CASE	1-speed mechanical
AXLES	Conventional differential inboard planetaries Independent differential locks, front and rear
Front	Fixed, John Deere 1400
Rear	+/-15° oscillating, John Deere 1200

HYDRAULIC SYSTEM

HYDROSTATIC PUMP	Variable displ. axial piston
CUTTER PUMP	Variable displ. axial piston
FAN PUMP	Variable displ. axial piston
BOOM/STEER/COOLING PUMP	Double vane
RESERVOIR	90 US gallon (340 L)
FILTRATION	7 micron, full flow
BOOM CYLINDERS	5 in. (125 mm) bore lift and tilt
STEER CYLINDERS	3 in. (75 mm) bore

M760 Mulcher

BRAKES

DYNAMIC BRAKING	Hydrostatic
SECONDARY BRAKES	Enclosed, oil immersed
PARK BRAKE	Manual, driveline disc brake

TIRES

STANDARD	30.5L-32
OPTIONAL	24.5-32 Duals, 66X43.00-25, 73X44.00-32, 76X50.00B32

ELECTRICAL

BATTERY	(2) 12 volt
ALTERNATOR	145 amp

OPERATOR'S STATION

CAB	Fully enclosed and insulated (2) doors and removable skylight Air conditioner, heater and pressurizer Forward sloping, thick polycarbonate windshield; Sliding glass side windows Side door screens AM/FM stereo cassette with clock
SEAT	Heavy duty suspension, fully adjustable Armrest mounted joysticks
CONTROLS	Hydraulic pilot for boom and travel Variable rate power steering

OTHER STANDARD EQUIPMENT

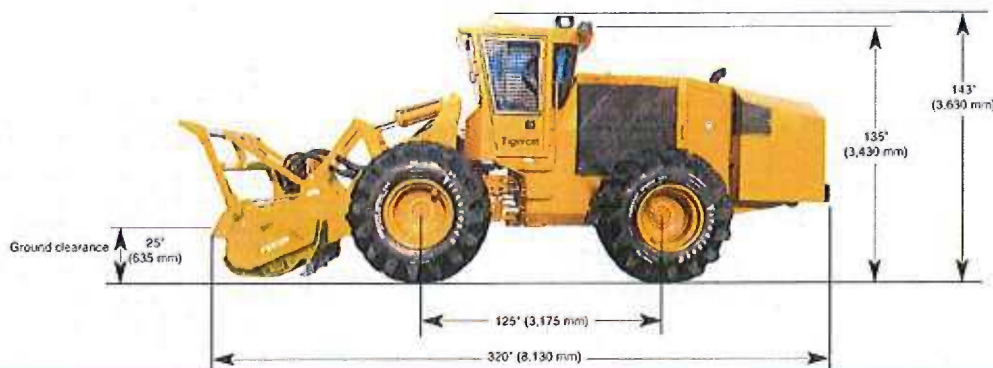
Precleaner and 2-stage engine air cleaner
Back-up alarm; Fire extinguisher; Pressurized water system

OPTIONAL EQUIPMENT

Work lights; Wiper/washer, Joystick steering control
13.2 CFM air compressor with 20 gallon (76L) tank

MULCHING ATTACHMENT

Standard with FECON BH350H Bull Hog
Flexible hydraulic system can be tailored to accept various horizontal drum cutters requiring 400 hp (298 kW)



WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

Tigercat®

40 Consolidated Dr.
P.O. Box 544
Paris, Ontario, Canada
N3L 3T6
Tel: (519) 442-1000
Fax: (519) 442-1855

TII 0063

E-mail: comments@tigercat.com

Internet: www.tigercat.com

EXHIBIT L

586C

SITE PREP TRACTOR



	586C
Engine	Cat® C9 ACERT™
Engine Power	261 kW (350 hp)
Wheelbase	3048 mm (120")

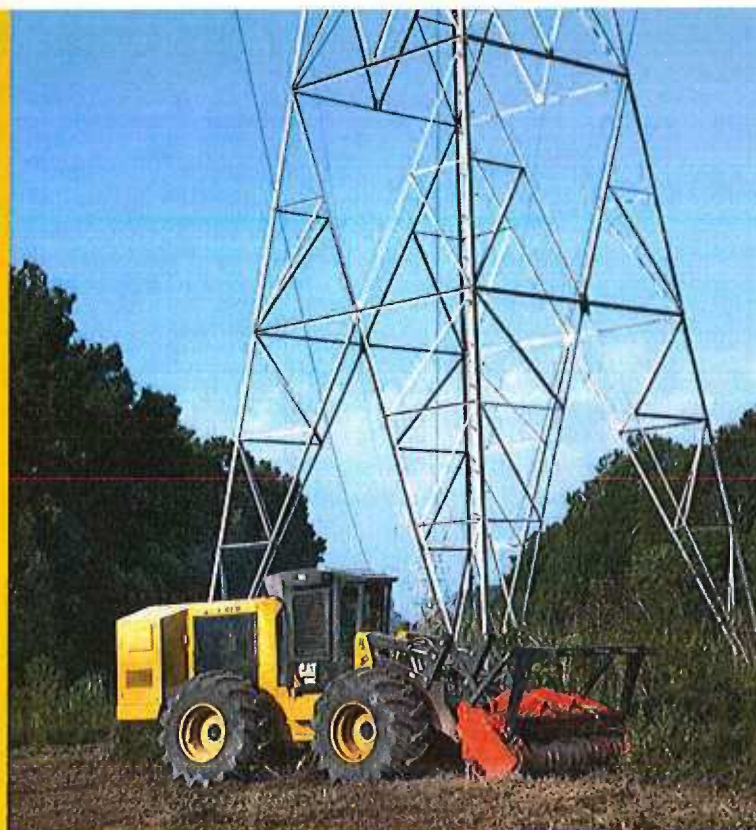
TTI 0475

586C Site Prep Tractor Features

The new Cat® 586C Site Prep Tractor raises the bar to lower your owning and operating costs by improving performance, fuel economy, reliability, stability and operator comfort.

Significant advances include:

- Engine placed at the back of the machine for a new level of service access
- Machine weight distribution optimized for stability and agility
- First and only site prep tractor with ground level fuel and hydraulic oil fill
- New engine and machine design features deliver more horsepower using less fuel
- Oversized hydraulic system components for faster, smoother multi-functioning
- PowerDirect Plus – new technology to optimize performance
- New hydraulic and power train components, high capacity cooling system, pressurized compartments, and robust and durable structures increase machine reliability
- An operator station that delivers superior comfort, while providing new operating functions and best in class HVAC system
- Advanced controls, including Terrain Selection Mode, Creep Mode, Road Steer Mode, and optional Attachment Float Control provide enhanced machine capability



The Cat 586C Site Prep Tractor is a multi-purpose, heavy-duty machine with the muscle to run power-hungry mulchers and brushcutters. Tackle a variety of land management projects with one machine and lower your owning and operating costs. Applications include residential/commercial development, utility and pipeline right-of-way construction and maintenance, wetlands and wildlife habitat management, plantation reclamation and management, and clearing for flood control and firebreaks.

The Cat HM825 Mulcher and BR624 Brushcutter, new Cat work tools that match the powerful capability of the 586C, are available from the factory and supported by Cat dealers.

Contents

Built for Your Toughest Land Management Projects	3
Engine	4
Cooling System	5
Power Train	6
Structures	7
Hydraulics	8
Operator Station	10
Advanced Controls	12
Pressurized Compartments	13

Serviceability	14
Integrated Technologies	16
Safety	17
Sustainability	17
Attachments	18
Customer Support	20
586C Site Prep Tractor Specifications	21
586C Site Prep Tractor Standard Equipment	23
586C Site Prep Tractor Optional Equipment	23

Built for Your Toughest Land Management Projects

Runs cool, stays clean and powers high flow attachments.

Lower Owning and Operating Cost

You'll burn less fuel and get more power because of Caterpillar's advances in engine technology and machine design.

Powerful Performance

The 350 hp engine and oversized hydraulic system push more flow to power-hungry attachments, such as mulchers and brushcutters. The new PowerDirect Plus optimizes machine efficiency and performance by monitoring operator and attachment hydraulic demand and delivering power where and when it is needed. Simultaneous lift-tilt and lift-steer functions and attachment recovery are faster than major competitive machines.

Clean, Cool Operation

You need a machine that runs cool and doesn't collect debris when you're working in hot, dry and dusty environments. The high capacity cooling system and on-demand reversing fan keep the machine running cool. Compartments for key systems are pressurized to keep debris out and electronics and sensors cool. You'll have more uptime and spend less time blowing out this tractor. Additional features keep this tractor running at peak efficiency if your environment is cold and snowy.

Easy • aintenance

Daily service points are in easy reach. Add hydraulic oil with the electric pump and refuel with your boots on solid ground. Reach more components with the tilting cab, hinged access panels and three-sided access to the engine and hydraulic pumps.

Comfortable • ab

The weight distribution and cab positioned between the axles give you a stable, smooth ride. The standard air suspension seat with neck and back support and high capacity HVAC system add to your comfort. A clean three-piece front windshield, standard back-up camera and skylight give you a 360° view, including the rear tires. Additional functions enhance operation and reduce operator fatigue, including Control Adjustability, Terrain Selection Mode, Creep Mode, Road Steer Mode, and optional Attachment Float Control.

Stays in the • ield

This tractor does an extremely good job of staying in the field. Robust box section frames and a field-proven center hitch design provide a solid foundation. The control valve, pumps and cylinder seals were "torture" tested to ensure reliability. Steering cylinder mounts and chrome plated lift arm and tilt link pins are two more examples of structural features built into this tractor to increase uptime and machine life.

"Stuck-to-the-Ground" Stability

The engine is at the back of the machine providing better weight distribution and the counterbalance needed for heavy-duty mowing and mulching attachments. The center hitch is positioned between the front and rear axles to facilitate tire tracking. Combined with the improved weight distribution and balance that results from the rear engine position, the agility of this tractor is a distinct advantage.

Engine

More horsepower, less fuel



Cat® C9 ACERT™ Tier 4 Interim engine: Available in Highly Regulated Countries (HRC)

Field data and customer input have shown that the Cat C9 ACERT engine delivers more horsepower at lower engine speeds using less fuel than the previous series. The C9 meets U.S. Tier 4 Interim and EU Stage IIIB emission standards. In designing the C9, new technology was incorporated to ensure that changes to meet emissions requirements would not increase operating costs, reduce uptime or shorten service life.

Driven by customer input, Caterpillar's aftertreatment regeneration emissions solution works with no operator intervention needed. The machine comes with two modes of regeneration: automatic and manual. In automatic mode, the machine starts the regeneration process once the filtering system reaches a specified level and conditions are optimal. Productivity is not affected by the regeneration process. The system will not interrupt work and can regenerate during machine operation with no impact on machine performance.

With a touch of a button inside the cab, the operator can override the automatic mode and switch to manual mode for initiating or disabling the regeneration process. On average, regeneration is needed only every 10 hours and takes 20-25

minutes. The diesel particulate filter only needs to be cleaned every 5,000 hours – approximately every two years.

The C9 ACERT engine is equipped with an electronic-controlled high-pressure fuel system that includes an electric priming pump and three-layer fuel hose to allow the use of biodiesel.

Cat C9 ACERT Tier 3 engine: Available in Lesser and Non-Regulated Countries (LRC)

The Cat C9 ACERT engine performs at U.S. Tier 3 and EU Stage IIIA emission levels and provides clean, quiet operation while delivering superior performance and durability. The engine features a flat power curve for outstanding response in the working RPM range, noise reduction technologies, and patented ACERT Technology combined with common rail fuel system, smart waste gate turbocharger and crossflow head design for reduced emissions.

Biodiesel-ready

The C9 engine is designed to burn biodiesel fuel (meeting ASTM 6751 or EN 14214) up to B20 (biodiesel 20 percent mixture).

Cooling System

High capacity, easy servicing

The high capacity cooling system and on-demand reversing fan keep the machine running at the proper operating temperature, optimizing performance, durability and fuel efficiency.

Cooling System

The cooling system is arranged in two panels for easy access to all components. The air conditioning condenser is in a hinged panel that tilts out for easy cleaning and to access the primary panel with the side-by-side mounted primary hydraulic oil cooler, dedicated case drain hydraulic oil cooler, engine radiator and air-to-air aftercooler (ATAAC).

In machines equipped with Tier 4 Interim engines, a fuel cooler is integrated into the same panel as the condenser.

On-demand Reversing Fan

The oversized, hydraulically driven fan spins at a slower speed overall and only turns as fast as needed to maintain proper hydraulic and engine temperatures. In colder weather or when the machine is first started, for example, the fan spins more slowly to conserve power and fuel and reduce noise. Air is pulled in from the side – not from the engine or from under the hood – preventing debris build-up around the engine. It automatically reverses every five minutes of run time to keep the cooling system free of debris. A manual override allows the operator to activate reversal between scheduled cycles. A heavy-duty fan shroud provides protection when servicing.



Power Train

Reliable hydrostatic drive



Cat engines, field-proven hydrostatic drive and Cat axles make a solid, responsive power train. A new design to keep the gearbox well lubricated provides even more durability.

Triple Pad Pump Drive

The Cat C Series design features a triple pad pump drive. One drive runs the attachment pump; the second the main machine pump; and the third runs the hydrostat and fan pumps.

Two-speed Gearbox

The two-speed gearbox is mounted horizontally instead of vertically, eliminating the need for splash lubrication and improving durability.

Axles

Axles feature a full-length oil sump for excellent heat rejection and long component life. An oscillating rear axle absorbs shock loads caused by stumps and holes and helps isolate the cab from axle movement for a smooth, comfortable ride, while maximizing fore-aft stability.

Brakes

The inline parking brake is spring applied and hydraulically released. Inboard service brakes provide excellent performance and are protected from water, dust and oil.

Differential Locks

During normal operation all four wheels move independently to maximize agility. In extreme conditions like slippery or steep terrain, pressing and holding a trigger button on the joystick will engage the front differential lock to make the front tires turn in sync. The rear differential lock is easily engaged and disengaged by an on/off button on the right hand console.



Structures

Durability built into every part

Robust box section frames provide a solid foundation for a machine designed to keep you working. Every structure was engineered for durability and verified through lab and field tests.

Center Hitch

The field-proven center hitch design features large dual tapered roller bearings and 76.2 mm (3 in) diameter pins providing maximum durability. With up to 90° articulation, maneuverability in tight applications is an advantage of the Cat site prep tractor.

Lift Arms

The precision manufactured lift arms are rugged and designed to support severe loading from the attachment.

Pins

Lift arm and tilt link pins are 63.5 mm (2.5 in) diameter and chrome-plated to prevent corrosion. Micro-cracks in the chrome plating help retain grease on the pin surface to increase durability.

Steering Cylinder Mounts

The steering cylinders are mounted to large, thick plates that are integrated into the frame and extend from the steering cylinders in the center hitch to the axle housings in the front and rear of the machine. These plates carry the steering cylinder force straight to the axles, rather than sending the load through the machine's frame, increasing structural life.

Other Structural Features Include:

- Robust guarding on the tilt arm cylinders to prevent damage from limbs.
- New cylindrical steering stops designed to take abuse and protect the frame when the machine makes a hard turn.
- Big, rigid steps with gripper surface.

Hydraulics

Fast and smooth with PowerDirect Plus



The heart of the 586C hydraulic system is the new PowerDirect Plus system, which goes beyond load sensing to efficiently distribute power to increase the capability of each system and maximize productivity.

Electrohydraulic Controls

The new 586C features an electrohydraulic control system. The pedals and joysticks communicate through the machine controller to the pumps and motors using electrical signals, rather than hydraulic, to produce more precise and smoother control.

PowerDirect Plus

PowerDirect Plus is a new system that optimizes the machine's performance by monitoring operator and attachment demand and delivering power where and when it is needed.

PowerDirect Plus does not require the operator to reduce demand or do anything differently – just focus on the work. Critical machine systems in the 586C are oversized, which increases overall machine capacity. This gives each machine hydraulic system – attachment, hydrostat, main and fan – more capability than ever before.

PowerDirect Plus dedicates the horsepower needed to run power-hungry attachments, such as mulchers and brushcutters, without slowing other functions. The oversized attachment pump pushes more flow to the attachment for faster recovery and minimal stalling.

Control Valve and Pumps

Multi-functioning, an advantage for Cat site prep tractors, is the result of a high performance control valve. In addition to field-testing, we put the control valve and hydraulic pumps through extensive lab "torture" tests that simulated the most brutal conditions and environment.

Cylinder Seals

Rigorous testing similar to the control valve and pumps and side-by-side testing against competitive cylinders was conducted on the new cylinder seal packages to ensure durability.



System Protection

Spin-on hydraulic oil filters and tank suction line strainers keep hydraulic oil clean, which is critical for machine health. The electric fill pump uses a quick coupler hose stored on the machine to pump oil through the filtration system before it enters the tank, safeguarding the hydraulic system.

Cold Hydraulic Oil Protection

When you first start up the 586C, the hydraulic oil can be too cold to flow freely, which is important for machine performance and to protect components. A built-in safeguard won't allow you to operate the machine until a special recirculation circuit warms the oil to the proper operating temperature protecting the machine's powerful hydraulic system.

Cat Hoses

Cat ToughGuard™ hoses and O-ring face seals throughout the machine improve machine life and reliability, particularly along the lift arms and through the center hitch due to the increased strength and flexibility. The ToughGuard cover consists of a layer of UHMW polyethylene bonded to the rubber cover, providing exceptional abrasion resistance.

Operator Station

Superior comfort and visibility



Comfort and visibility, of course, but you'll find cab features that go beyond the basics to give you control options that can be customized and new operating functions.

Ride

The cab is centered between the axles for the most comfortable ride possible. No bucking. The standard air suspension seat with neck and back support adds to a smooth ride, keeping the operator comfortable and focused.

HVAC System

The durable, high capacity HVAC (heating, ventilation, and air conditioning) system provides dependable cooling

or heating no matter how hot or cold it gets. Vents in front and on both sides can be directed toward the operator or the windows. This also contributes to increased operator productivity and can help reduce mental and physical fatigue at the end of the day.

Visibility

A clean three-piece front windshield, standard rear view camera and skylight give the operator a 360° view.

The operator can see the work zone easily without having to strain or reposition the machine.

Monitor

The display allows the operator to continuously monitor the machine's systems. Early indications give the operator the opportunity to react before potential problems become actual problems. A clean and clear monitor provides detailed machine data to maximize machine uptime and productivity. Finding information is intuitive:

- The home screen displays the condition of primary systems, such as fuel level, engine and hydraulic temperatures, and engine speed and attachment performance information. Press the corresponding button along the bottom of the screen to get more detail on any item. As an example, under the hydraulic system selection, the two-speed gearbox oil level indicator is displayed.
- If an engine or hydraulic problem occurs, the monitor will display an easy-to-understand text explanation, along with any applicable fault codes.
- If a machine condition requires immediate action, a warning buzzer will sound to draw the operator's attention to the monitor. The operator must acknowledge the warning to turn off the alarm. Depending on how serious the warning, the alarm will continue to sound until the condition is remedied.
- Everything the system does is recorded in the system log, a useful feature for monitoring machine health and operator activity.

Control Adjustability

All key operator functions – steering, lift and tilt – are fully adjustable through the machine monitor. Overall speed and response to operator input can be adjusted, maximizing operator comfort and performance.

Joysticks

New electrohydraulic joysticks mold to the operator's hands for all day comfort and increased functionality. Electrohydraulic control also means there are no hydraulic pilot lines running to the joysticks, eliminating a potential source of heat in the cab.

Button Pad

The button pad on the right hand console features on/off buttons clearly labeled with large icons for many features, including the parking brake, hydraulic arming and reversing fan.

Other Cab Features Include:

- Two cup holders
- Two 12-volt power points for cell phone chargers etc.
- Coat hook
- AM/FM/CD/Sirius satellite radio package with USB and auxiliary inputs



Advanced Controls

Maximize machine and operator performance








Unique operating modes, combined with complete electrohydraulic controls, provide the operator with a smoother machine with increased productivity. These modes include Creep Mode to easily adjust machine speed to improve mulching, Terrain Selection Mode to optimize performance on hills or flat ground, and Road Steer Mode for high-speed transport of the machine.

- **Creep Mode:** Pushing through thick vegetation or mulching and back dragging can be hard on the operator if speed is controlled strictly with the foot pedal. Creep Mode is a great feature that gives the operator the ability to adjust speed up or down on the fly with joystick buttons, instead of with a foot pedal. Productivity is increased and operator fatigue reduced.
- **Terrain Selection Mode:** Quickly and easily optimize machine performance based on application requirements. Select Hill Mode to boost drivetrain power for working in rough conditions like hills or wet ground. Select Flat Mode to maximize speed and optimize fuel efficiency when ground conditions are good.
- **Road Steer Mode:** Fast steering is required when working, but slower steering is preferable when driving down a road to a new job site. Road Steer Mode slows the joystick's response so the operator can steer the machine safely to the next site. The machine will automatically shift into Road Steer Mode when the two-speed transmission is shifted into high gear.

Attachment Float Control (Optional)

A touch of a button engages the optional Float Control so the attachment can follow the contours of the ground for a uniform, consistent mulch on uneven ground. This feature also reduces operator fatigue by reducing the continual adjustments needed when mulching on rough ground. Two buttons allow the operator to adjust the float pressure on the fly to maximize productivity and efficiency.



-  Cooling System Air Intake
-  Engine/Hydraulic Compartment Air Intake – Electric reversing fan pressurizes the engine/hydraulic compartment with cool ambient air
-  Cooling System Air Exhaust
-  Aftertreatment Compartment Pressurization
-  Engine/Hydraulic Compartment Pressurization – Hot air from the engine/hydraulic compartment is pushed out of 3 openings

Pressurized Compartments

For a cooler and cleaner machine

In a typical land management or right-of-way project, the air is dry and dusty with a lot of vegetation debris kicked up during mowing or mulching. In designing the 586C, special attention was focused on keeping the machine cool and free of debris. The machine is segmented into separate compartments that are pressurized to prevent debris from entering. Less debris build-up means less time required for cleaning it out and better performance. The pressurized airflow keeps electronics, sensors and other key components cool during long workdays.

Engine/Hydraulic Compartment

The engine and hydraulics are located in a separate compartment at the rear of the machine. An electric reversing fan draws cool ambient air into the compartment. This forces hot air out of the engine compartment while pressurizing it, preventing debris from entering and keeping engine electronics and sensors cool.

Cooling Compartment

Removable rubber baffling separates the cooling system from the engine/hydraulic compartment. This prevents the cooling system from pulling hot air from the engine compartment through the cooler, maximizing the cooler's efficiency.

Aftertreatment Compartment

The aftertreatment compartment (only in machines equipped with Tier 4 engines), which contains the Cat Clean Emissions Module, is pressurized by airflow from the cooling package. As the air is pulled through the cooling package, the side screens provide resistance and some of the airflow enters the aftertreatment compartment and forces hot air out while preventing debris from entering the compartment.

Serviceability

More ground level servicing to keep you safe



Daily service points are in easy reach on the 586C. Add hydraulic oil with the electric pump and refuel with your boots on solid ground. The tilting cab and hinged panels give you access to even more.

Engine/Hydraulic Compartment

Large hinged doors at the rear of the machine, along with hinged doors on both sides and the bottom of the compartment, provide access to key engine components, filters, hydraulic pumps, hydraulic test ports and other key components.

Cooling Compartment

Removable rubber baffling and a split side screen protect the cooling system while making it easy to access for servicing. A locking latch on the lower half of the side screen allows for quick and easy access for cleaning out debris.

Aftertreatment Compartment

The aftertreatment compartment (only in machines equipped with Tier 4 engines) has full three-sided access to the Cat Clean Emissions Module optimizing service and cleaning access.

Engine Air Precleaner System

A precleaner and scavenger system increase the life of primary and secondary engine air filters by filtering out debris before it even gets to the air filters. Air first passes through the turbine style precleaner, which ejects dust and debris through an integrated shoot. The scavenger system then suctions off material that passed through the precleaner. This system can help extend air filter maintenance and replacement intervals.

Tilting Cab

The tilting cab provides full access to the interior of the machine, where the two-speed gearbox and hydrostat motor are located. You can also access the hydraulic hoses and electrical harnesses where they enter the center hitch area. The tilting cab also improves access to clean the machine and remove the batteries.

Fueling

No climbing up on the machine, dragging a fueling hose to fill the tank. The fuel tank is located behind the rear axle and the fill is at ground level. Simple, easy, safe.

Hinged Access

Additional hinged panels are used throughout for easy access to other components, such as the batteries, hydraulic filters and strategic bulkheads. All hinged panels are fabricated of heavy-duty steel for durability and can be completely removed for servicing if desired.

Large hinged mesh screens over the door windows protect the operator when the sliding windows are open. These mesh screens swing out to remove debris caught between the door and screen.

Heavy-duty belly pans are also hinged providing durable guarding and access to the bottom of the machine for machine clean out.



Electric Hydraulic Oil Fill Pump

Hydraulic oil is added to the system quickly and easily from ground level with the standard electric hydraulic oil fill pump and a quick coupler hose stored on the machine. Oil is pumped through the filtration system before it enters the tank, safeguarding the hydraulic system.

Electrical Routing

Electrical harnesses segregate the wiring and connections within the core systems they support and are bulkheaded between each system. So, for example, a separate electrical harness that supports the engine is bulkheaded where it connects to the cooling package electrical harness. No more complex, spaghetti wiring. Troubleshooting electrical issues and replacing wires are greatly simplified.

Just a single, short harness (bulkheaded on both sides) crosses the center hitch. This harness is protected, making it much less prone to damage, and is easily replaceable if necessary. All electrical harnesses are bulkheaded before they enter the cab, instead of lines fed in through holes in the floor. This keeps the cab quieter.

Hydraulic Hose Routing

The same thinking was applied to hydraulic hose routing. Strategically placed bulkheads keep hoses short. In the center hitch, hoses are short and positioned dead center as they cross through the center hitch, so bending is minimized as the machine turns.



Integrated Technologies

Work smarter



Caterpillar offers solutions to help you work smarter.

Machine Troubleshooting

The 586C comes with a troubleshooting feature that allows the operator to drill down and pinpoint the root cause of a problem, reducing the need for service calls and holding down costs. The operator can also check the main hydraulic pump and attachment pump pressures through the monitor in the cab – a feature unique to Cat site prep tractors.

Cat Product Link™

It pays to know where your equipment is, what it's doing and how it's performing at any given moment, so you can maximize efficiency, raise productivity and lower owning and operating costs for your fleet.

Product Link is a remote monitoring solution that enables efficient and effective fleet management. Its easy-to-use interface, called VisionLink, enables customized health and utilization reports, enhanced mapping and mixed-fleet capabilities. And Product Link transmits the information via cell and satellite.

Visit www.cat.com/itpaystoknow for more information on Cat Product Link.





Safety

Safely home. Everyone. Every day.™

Safety features in the Cat 586C Site Prep Tractor include:

- Ground level fuel and hydraulic oil fills
- Four-sided access to the engine and hydraulic pumps
- ROPS/FOPS/OPS certified cab with tough Lexan windows
- Additional mesh screen guarding on side windows
- 360° visibility of the work area from the cab
- Hydraulic disarm and parking brake automatically engage if door is opened
- Safe and secure access into and out of the cab with grab handles and big fixed steps with gripper surface

- Extreme-duty cooling packages
- Pressurized compartments to minimize debris accumulation
- Ground level machine kill switch
- Halogen working lights
- Safety lights package (optional)

Caterpillar cares about worker safety and has developed many safety videos and checklists and safe job site practices. Visit safety.cat.com for more information.

Sustainability

Resourceful in every way

The 586C is designed to maximize efficiency and productivity while conserving natural resources.

- The 586C available in Highly Regulated Countries (HRC) is equipped with the Cat C9 ACERT engine that meets U.S. Tier 4 Interim emission standards.
- The 586C available in Lesser and Non-Regulated Countries (LRC) is equipped with the Cat C9 ACERT engine that meets U.S. Tier 3 emission standards.

- The C Series burns less fuel. Less fuel burned means reduced emissions.
- Fewer parts and longer component life, less fuel and fluids, means less to replace and less to dispose.
- Major structures and components are built to be rebuilt, reducing waste and replacement costs.

Attachments

Work tool attachments to meet your needs



New Cat work tools have been developed to match the powerful capability of the 586C Site Prep Tractor. The Cat HM825 Mulcher and the Cat BR624 Brushcutter are available from the factory and supported by your Cat dealer. Other key 586C attachments include an attachment quick coupler and retrieval assist winch to increase versatility.

The HM825 and BR624 are both durable and reliable. Rugged structures, reinforced skids and internal abrasion-resistant plating minimize downtime and repairs. All daily service points are at ground level and adjustments are easy to make.

The operator has clear visibility around the attachments. Discharge is directed down and away from the tractor. When the attachments are turned off, the tractor's hydraulics slow the attachments' moving parts to a safe stop.

Cat HM825 Mulcher

The HM825 can produce either coarse or fine mulch. You may need to make multiple passes, depending on the material being mulched and the consistency you want. Mulched material can be worked into the soil or left as ground cover.

The HM825 is designed for mixed applications and is the best tool for mowing heavy mixed brush or single stems up to 40.6 cm (16 in) diameter. The cutting path is 2.54 m (8.3 ft).

Dual variable hydraulic motors optimize power and recovery. Oversized rotor hub and bearings are field proven for high cycle applications. The belt-driven rotor drum reduces shock loading on the tractor's hydraulic system. Three large sets of counter knives make it possible to mulch many projects in a single pass.

The HM825 features both a heavy duty hydraulic guide bar and mulching door. Both are activated with dual hydraulic cylinders.

The drum is designed to reduce fuel consumption by minimizing drag. Debris doesn't collect on the smooth surface and the double carbide-tipped teeth are staggered so that only one tooth is in contact with the ground at a time.

Cat BR624 Brushcutter

The BR624 produces generally coarser material, about the size of your forearm. Multiple passes can help shred material smaller, but if you want a fine mulch the HM825 is the better choice.

The BR624 is designed for mowing brush up to 11 cm (4 in) diameter or single stems up to 20 cm (8 in). The cutting path is 2.44 m (8 ft). Minimal mulch is worked into soil.

Designed for performance and reliability, the heavy-duty hydraulic motor optimizes power and recovery. The patented rotor bar shaft and bearing are field proven and feature independent upper and lower grease chambers maximizing reliability. Two free-swinging blades use centrifugal force for cutting. The front edge is beveled, which helps when mulching light material by creating lift. Rotation can be reversed.

Attachment Quick Coupler

The attachment quick coupler can simplify and shorten the time needed to switch attachments. Non-powered attachments can be hooked up without leaving the cab. Powered attachments hook up to a hydraulic quick coupler bulkhead system in the front frame of the tractor. Quick coupler hoses and mounting system are integrated into the design of both the HM825 Mulcher and BR624 Brushcutter. The hydraulic system stays clean because it is not exposed to the environment.

Retrieval Assist Winch

The retrieval assist winch can help an operator get out of a sticky situation. The two-speed winch is hydraulically driven and can be powered in and out with in-cab controls.





Customer Support

Count on Caterpillar and your Cat dealer

Your local Cat dealer is your land management consultant who can recommend the machines, work tools and services to maximize your operation and provide the support to keep you at top productivity.

- 24-hour parts availability, where and when you need them, to minimize expensive downtime
- Operator training to get the most out of your Cat equipment
- Field services to provide on-site help when needed
- Timely repair and replacement services
- Customer Support Agreements to lower your operating costs
- State-of-the-art diagnostic programs, such as S-O-SSM oil analysis, inspection services and trend reporting to help avoid unscheduled repairs
- Financing programs for buying, renting or leasing Cat equipment
- Cat Financial Commercial Account, a fast and convenient way to pay for or rent anything offered at any Cat dealer or The Cat Rental Store
- Cat Insurance to cover equipment losses from theft, collision, flood, upset or overturn, fire, vandalism and more
- Product Link to manage your equipment fleet through remote monitoring

For more information on Cat products, dealer services and industry solutions, visit www.cat.com.

586C Site Prep Tractor Specifications

Engine			
Engine Model			
586C HRC*	C9.3 ACERT		
586C LRC	C9 ACERT		
Gross power			
586C HRC	261 kW	350 hp	
586C LRC	261 kW	350 hp	
Engine Speed			
586C HRC	1,880 rpm		
586C LRC	1,880 rpm		

* Machine requires Ultra-Low Sulfur Diesel Fuel (ULSD) of no more than 15 ppm fuel sulfur.

Service Refill Capacities		
Fuel Capacity		
586C HRC	494 L	130.5 gal
586C LRC	494 L	130.5 gal

Hydraulic System			
Hydrostatic Pump**			
586C HRC	242 L/min @ 37 370 kPa	64 gpm @ 5,420 psi	
586C LRC	242 L/min @ 37 370 kPa	64 gpm @ 5,420 psi	
Primary Hydraulic Pump**			
586C HRC	155 L/min @ 27 579 kPa	41 gpm @ 4,000 psi	
586C LRC	155 L/min @ 27 579 kPa	41 gpm @ 4,000 psi	
Attachment Pump**			
586C HRC	378 L/min @ 37 921 kPa	100 gpm @ 5,500 psi	
586C LRC	378 L/min @ 37 921 kPa	100 gpm @ 5,500 psi	

**Variable Displacement Piston Pump

Drive		
Travel Speed (Low Range with 30.5L-32 tires)		
586C HRC	0 - 8.4 km/h	0 - 5.2 mph
586C LRC	0 - 8.4 km/h	0 - 5.2 mph
Travel Speed (High Range with 30.5L-32 tires)		
586C HRC	0-19.8 km/h	0-12.3 mph
586C LRC	0-19.8 km/h	0-12.3 mph

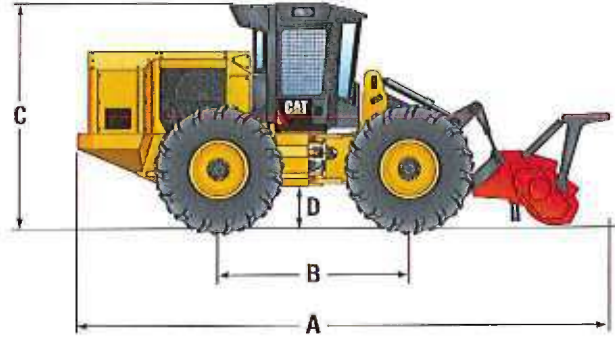
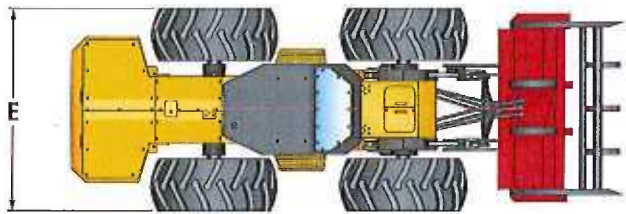
Weights		
Weight includes Quick Coupler, Retrieval Assist Winch with Cable, and Full Fluids; Subtract 164 kg (362 lb) for 28L-26 Tires and add 40 kg (88 lb) for 67-34 Tires		
586C HRC	17 440 kg	38,450 lb
586C LRC	17 214 kg	37,950 lb



586C Site Prep Tractor Specifications

Dimensions

All dimensions are approximate.



Model	586C HRC		586C LRC	
A Overall Length*				
Length (with HM825)	9000 mm	354.3"	9000 mm	354.3"
Length (with BR624)	8855 mm	348.6"	8855 mm	348.6"
B Wheelbase	3048 mm	120"	3048 mm	120"
C Rear Axle Center Line to Hitch Pin	1702 mm	67"	1702 mm	67"
D Overall Height**				
28L-26, NOAW	3223 mm	126.9"	3223 mm	126.9"
28L-26, STD	3223 mm	126.9"	3223 mm	126.9"
30.5L-32, NOAW	3324 mm	130.9"	3324 mm	130.9"
30.5L-32, STD	3324 mm	130.9"	3324 mm	130.9"
67-34, STD	3251 mm	128.0"	3251 mm	128.0"
D Ground Clearance				
28L-26, NOAW	527.2 mm	20.8"	527.2 mm	20.8"
28L-26, STD	527.2 mm	20.8"	527.2 mm	20.8"
30.5L-32, NOAW	628.2 mm	24.7"	628.2 mm	24.7"
30.5L-32, STD	628.2 mm	24.7"	628.2 mm	24.7"
67-34, STD	555.2 mm	21.9"	555.2 mm	21.9"
E Overall Width				
28L-26, NOAW	2793 mm	110.0"	2793 mm	110.0"
28L-26, STD	2920 mm	115.0"	2920 mm	115.0"
30.5L-32, NOAW	2980 mm	117.3"	2980 mm	117.3"
30.5L-32, STD	3140 mm	123.6"	3140 mm	123.6"
67-34, STD	3222 mm	126.9"	3222 mm	126.9"

* Subtract 214 mm (8.4") for Tow Hooks in lieu of Retrieval Assist Winch.

**Add 211 mm (8.3") for Road Ready Light Package.

586C Site Prep Tractor Standard Equipment

Standard equipment may vary. Consult your Cat dealer for details.

ENGINE

Engine, Cat C9 with ACERT Technology
EPA/ARB Tier 4 Interim and EU Stage
IIIB Equivalent Engine with Cat Clean
Emissions Module (CEM)

--OR--

Engine, Cat C9 with ACERT Technology
EPA/ARB Tier 3 and EU Stage III

Equivalent Engine

Engine, Cat C9 with ACERT Technology

Fuel priming pump, electric

Engine over speed protection

Air Precleaner

Scavenger System Air Cleaner

2 Stage Air Cleaner

COOLING SYSTEM

Cross-Flow Cooling System

Side by Side Cores

Integrated Air Conditioner Condenser
and Fuel Cooler (Tier 4 only)

Hydraulically Driven on Demand Reversing
Fan

POWER TRAIN

Cat Axles

Front and Rear Differential Locks

HD Drivelines

Brakes

Enclosed Disc Service Brakes

Hydraulically Released and Spring Applied
Parking Brake

STRUCTURES

HD Front and Rear Frames

Dual Tapered Roller Bearing Upper
and Lower Center Hitch

Chrome Plated Lift Arm and Tilt Pins

Hinged Access Panel

High Capacity Fuel Tank

Heavy Duty Hydraulic Oil Tank

HYDRAULIC SYSTEM

PowerDirect Plus System

Load Sense Hydraulics with Variable
Displacement Main, Attachment, Hydrostatic,
and Fan Pumps

High Performance Multifunctioning

Main Control Valve

Cat ToughGuard Hoses

ELECTRICAL

24-Volt Electrical System

130-Amp Alternator

Maintenance Free (2-1,000 CCA) Batteries

Cat Jump Start Receptacle

Dual Bulb Halogen (6 total) Working Lights

Main Disconnect Switch

Diagnostic Connector

Warning Horn

Product Link Ready

IQAN MD3 Full Function Control System

Working Lights

Product Link - 321

Radio Ready Package

OPERATOR STATION

Reverse Slope 3-piece Windshield

High Capacity HVAC System

Knee Action Air Suspension Seat

Headliner

Non Permeable Removable Floor Mat

Dome Light

Rearview Camera

Dual 12V Outlets

2 Beverage Holders

ADVANCED CONTROLS

Operator Control Adjustability

Terrain Selection Mode

Creep Mode

Road Steer Mode

SERVICEABILITY

Pressurized Engine/Hydraulic and Cat CEM
(Tier 4 only) Compartments

Tilting Cab

Ground Level Engine/Hydraulic
Compartment Access

Ground Level Fuel Fill

Electric Hydraulic Oil Fill Pump

Diagnostic Monitor

Hinged Access Panels

Oil Sample Ports

SAFETY

OPS/FOPS/ROPS Certified Cab

Back-Up Alarm

Ground Level Kill Switch

Harness Seat Belt

Pressurized Water Tank

586C Site Prep Tractor Optional Equipment

Optional equipment may vary. Consult your Cat dealer for details.

MACHINE ATTACHMENTS

AM/FM/CD/Sirius-Satellite Radio Package

Safety Lights

Attachment Float Control Arm Control

Attachment Quick Coupler

Tow Hooks

Retrieval Assist Winch

WORK TOOL ATTACHMENTS

HM825 Mulcher

BR624 Brushcutter

TIRES

28L x 26 16 PR, NOAW Offset

28L x 26 16 PR, Standard Offset

67 x 34 14 PR, Standard Offset

30.5L x 32 20 PR, NOAW Offset

30.5L x 32 20 PR, Standard Offset

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

AEHQ7272 (02-2014)

© 2014 Caterpillar. All Rights Reserved.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

CAT, CATERPILLAR, BUILT FOR IT, their respective logos, "Caterpillar Yellow," the "Power Edge" trade dress as well as corporate and product identity used herein, are trademarks of Caterpillar and may not be used without permission. www.cat.com www.caterpillar.com



EXHIBIT M

Tigercat Mulchers

Tigercat has opened a new division that specializes in the engineering and development of specialty machines for off road industrial applications. Applications and industries currently served include land clearing and ROW maintenance, aerial device carriers for utilities industry applications and off road carriers for broadcasting herbicides and fertilizer.

Tigercat Off Road Industrial Products Division has developed three mulcher carriers for clearing applications: the M726E rubber tire mulcher, the M822C track-based swing machine and the 480 track mulcher.

Tigercat's expertise at designing and building productive, reliable and efficient machines for full-time forest duty translates well to mulching and vegetation management applications. Few other mulcher carrier manufacturers have the depth of knowledge and experience necessary to fabricate components and design complex hydraulic and electronic systems that will survive serious and continuous forest duty cycles.

Tigercat also has a strong dealer network

and a large machine population with strong accompanying parts and service support in many important mulcher markets throughout North America.

The M726E is a 224 kW (300 hp) carrier for right-of-way maintenance, vegetation management, land improvement and small-scale commercial clearing applications.

An optional multi-function hydraulic system and quick attach boom adapter allow the machine to be easily converted to a feller buncher. This provides the contractor with the flexibility to fell merchantable trees when required.

Based on the field-proven 822C feller buncher, the 224 kW (300 hp) M822C is ideal for clearing applications on slopes, gullies, embankments and extremely soft or wet terrain.

The 480 is a 370 kW (500 hp) class track driven mulcher carrier suitable for tough terrain, sensitive site applications and large scale land clearing, pipeline, exploration and right of way (ROW) projects.

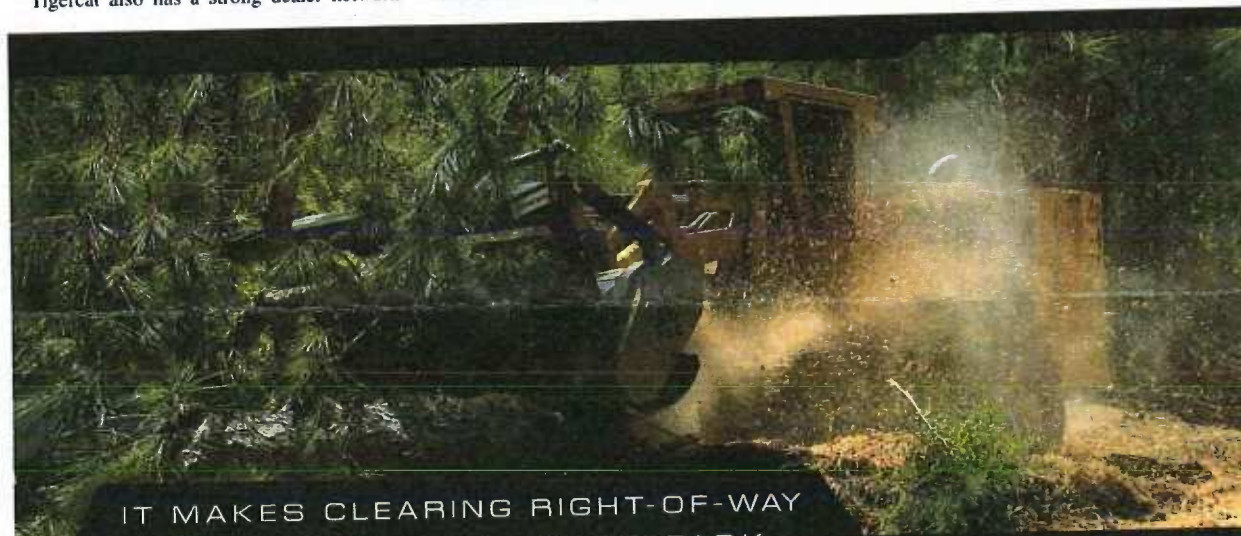
High production and extremely low ground pressure combine to offer exceptional performance in the most demanding mulching jobs. With a Cummins QSX15 Tier III, engine, the

480 is a powerful machine with 328 kW (440 hp) available to the mulching attachment. The machine is compact and maneuverable with a narrow overall width and a light footprint for soft soil conditions.

A highly refined closed loop track drive system propels the carrier and a dedicated pump powers the attachment. The 480 uses heavy duty track frames and a robust mounting system for the oscillating tracks. The efficient, high capacity cooling system uses a variable pitch fan with an automatic reversing cycle.

The machine incorporates high-lift boom geometry for improved performance on uneven terrain. The counter-rotate function or CRF allows the 480 to pivot about its centre axis at the touch of a button for quick, effortless "on a dime" turns at the end of a row. All functions including the joystick steering are electronically controlled allowing for operator customization.

As always, Tigercat has strived for the best possible access to daily service points and major components with large swing-out engine compartment doors and a tilting cab. ■



IT MAKES CLEARING RIGHT-OF-WAY
LOOK LIKE A WALK IN THE PARK.

THE 480 MULCHER

With maximum horsepower to the ground, efficient hydraulics and excellent cooling capacity, the 480 is a high performance, high uptime machine for the most demanding and time-sensitive right-of-way projects.

Contact us to today to find out more about the 480 mulcher and Tigercat's other off road industrial products.

Tigercat

off road industrial products

519.753.2000
comments@tigercat.com

www.tigercat.com

EXHIBIT N

Virtual Stringline

sectional method relies on sections that are reasonably close together, and it assumes that the material between sections is the average of the material computed for the two sections in question.

In order to correct this, you could pull sections say, 0.1 foot apart, thereby narrowing the possibility of anything critical from being unseen. On a computer this is easy to do, and it is an interesting experiment to see what happens when the sections are pulled closer and closer together.

For the grid method, several assumptions come into play. One is that the elevations of the corners of the grids are interpolated from the surfaces. Anytime you hear "interpolate," it means a level of error has been introduced into the computations. An interpolation is a guess—arguably, it is an educated guess—however, a guess nevertheless. Another failing of the grid method is that most software routines will disregard any grids that do not fall completely on both of the surfaces in question.

Ways to Improve

But what improvements could be made by the developers of the software? For instance, why not have a slide bar when performing section method volumes? This slide bar would increase and decrease the intervals between sections. Why not allow for sections that have multiple vertices in them? It might be helpful if we could "bend" the sections based on the surface features.

Most proposed methods do we need is a strip of the site. I need a strip

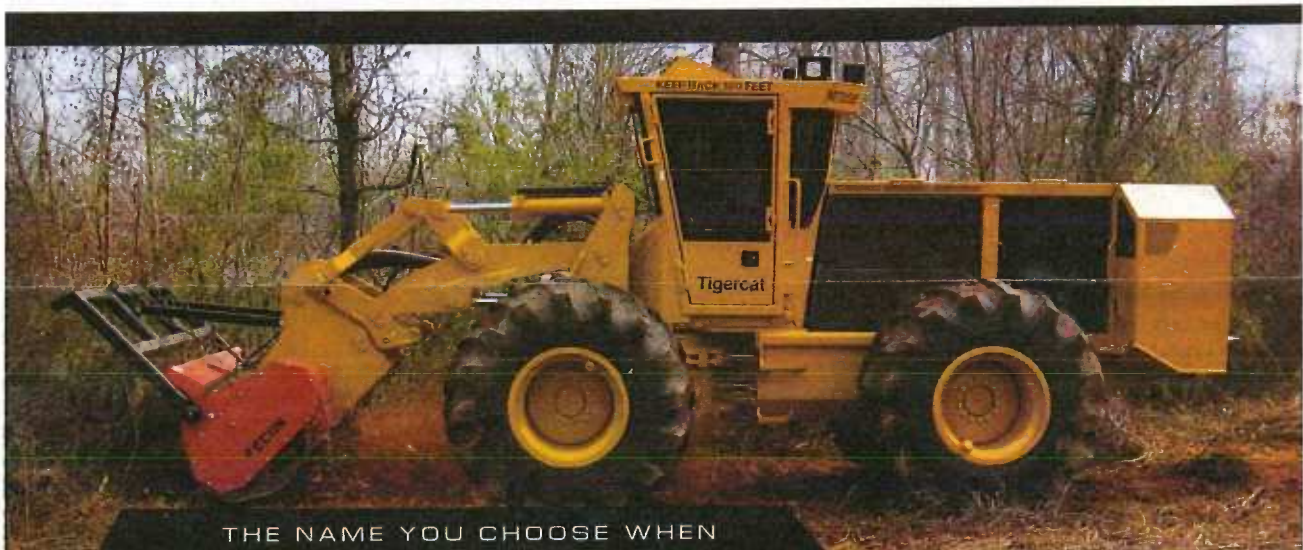
Another acts like a l the cursor, results are

Perhaps to accomplish, it would result in an automated algorithm to observe the entire process as a single feature. It should be part of one exercise where we import/export earth and cap it off with engineered material to complete our project.

My next column will discuss the prismoidal method, which I believe is theoretically the best method. I'd also love to hear your thoughts on ways the algorithms could be improved. **SP**

Harry O. Ward, PE, is president of Harken-Reidar Inc. He can be reached at hward@harken-reidar.com or hward@gmu.edu.

- March/April
- Dec
Tear sheets missing



THE NAME YOU CHOOSE WHEN
YOU WANT RESULTS AND NOT EXCUSES

THE M726E MULCHER

Designed for right-of-way and vegetation management in dry soil conditions, the M726E is a high performance, high uptime machine for demanding and time sensitive land clearing projects. The optional multi-function hydraulic system and quick attach boom adapter allows the machine to be quickly and easily switched from a mulcher to a feller buncher for increased versatility.

Contact us today to find out more about Tigercat mulchers and off road aerial device carriers.

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com



- One lanyard hook should be attached and locked to an approved attachment point on technician's safety harness, belt or wrist strap;
- The other lanyard hook should be attached and locked to selected tool; and
- Before climbing or moving location, tools should be secured inside bag/pouch.

Enhanced Accountability

A tools at height kit also aids in tool accountability. All tools come in a container with foam cutouts. When tools are

returned at the end of a project, any open space alerts the technician of a potentially missing tool. As an example of unaccounted tools, a socket left in the shaft of a nuclear reactor ended up causing so much damage that the reactor was shut down almost six months for repairs. To aid in tool identification, tools can come etched with company name, logo, serial number or any other ID marker. The identification number also is etched into the specific storage space for the tool.

Another aspect of a tools at height program is tool accountability. While the need for tool accountability has existed in the aviation industry for years as a way to reduce foreign object damage (FOD) to aircraft, a push is now underway in other industries to look at similar initiatives. FOD prevention is dedicated to managing tool usage, accountability and the systems necessary to ensure tools are secure at all times.

A dropped tool poses a significant risk to equipment and personnel on the ground. The main goal of a tools at height program is work-site safety; utilities and



municipalities cannot afford accidents because of dropped tools. Fortunately, new tooling advances and protocol guidelines have been made that greatly reduce the threat of falling tools, which is a win-win scenario for everyone involved. □

About the author:

Patrick McDevitt is the manager of Business Development for Snap-on Industrial. He can be reached at patrick.d.mcdevitt@snapon.com.

CIRCLE 108 ON READER SERVICE CARD

THE NAME YOU CHOOSE WHEN YOU WANT RESULTS AND NOT EXCUSES

THE M726E MULCHER

Utility Products • June 2011 • www.utilityproducts.com

888-544-6287

www.utilityproducts.com

CIRCLE 30 ON READER SERVICE CARD

go to h

38

uptick in sales this year, and we project that to continue into the next year.”

Earlier in this article we touched on tooth design, which is a critical element and perhaps worthy of an article of its own.

To give you a taste of what’s going on, we talked with Joe Leonardi of Leonardi Manufacturing, maker of teeth and blades for tree care products and who has a new tooth design for smaller machines. It is based on their M1 model cutting wheel.

Says Leonardi, “The original M1 was revolutionary in that it greatly simplified tooth changing and maintenance. For example, on the Model 752 from Vermeer, there was originally a mix of 42 left, right and straight teeth. With the M1 system, there are just 12, all the same tooth. This is part of a patent-pending wheel and tooth design,” according to Leonardi.

“It relies on an existing patent, the Phantom Wheel, which has a unique contour and cutouts so that as it spins the operator can see the work through it. This is great in tight situations, and you can see

the cut to determine whether to take a 1- to 3-inch cut, for example.”

“On our Gold Series wheels, we offer a rock shock absorber, which reduces overall machine wear.” Leonardi also features a chip deflector to help keep material from being thrown around site.

The new Blueshark cutting system is based on the M1, but it is built for smaller machines. It includes all the M1 features, with the added benefit of indexable teeth (meaning they can be rotated or indexed to present three fresh cutting surfaces before replacing or resurfacing the tooth. They are available on stump cutting units such as those from Husqvarna and Dosko.

Speaking of Husqvarna, they have a new, small SG13 stump grinder that they are tout-

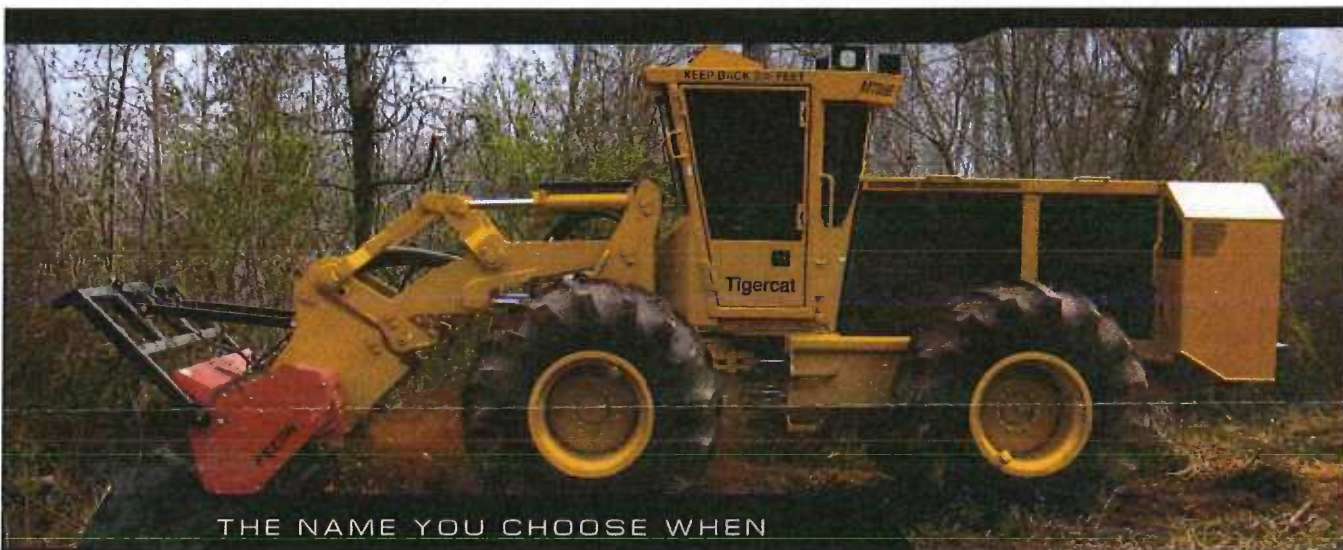


The new SG13 provides sharp, fast cutting that Husqvarna attributes in part to reduced weight and a new tooth design.

ing as a “well-balanced, maneuverable machine that provides commercial power and high productivity.” While this machine can be used by homeowners and in the rental market, it is a professional grade unit, the company says.

The unit’s cutting system provides sharp, fast cutting that Husqvarna attributes in part to reduced weight and a new tooth design. Cutting teeth are available for various soil conditions and feature three independent edges and can be rotated in a matter of seconds using a 3/8-inch wrench. The machine’s stability, balance and adjustable handle allow users to grind objects up to 12 inches below the ground while maintaining a comfortable and safe stance throughout the job.

From small to large, the desire is the same, to grind more efficiencies out of the new age stump cutters.



THE NAME YOU CHOOSE WHEN
YOU WANT RESULTS AND NOT EXCUSES.

THE M726E MULCHER

Designed for right-of-way and vegetation management in dry soil conditions, the M726E is a high performance, high uptime machine for demanding and time sensitive land clearing projects. The optional multi-function hydraulic system and quick attach boom adapter allows the machine to be quickly and easily switched from a mulcher to a feller buncher for increased versatility.

Contact us today to find out more about Tigercat mulchers and off road aerial device carriers.

Tigercat

off road industrial products

519.753.2000

comments@tigercat.com

www.tigercat.com

"This is far and away the most meaningful project with trees that I've ever been involved with, and I doubt I'll have anything to compare it to going forward."

Wayne Dubin
Bartlett Tree Experts

the country. A subsidiary company in the UK, Southern Tree Surgeons, has the Royal Seal, so we care for the trees at Buckingham Palace. But certainly in the almost 23 years that I've been at Bartlett, this stands by itself. This is far and away the most meaningful project with trees that I've ever been involved with, and I doubt I'll have anything to compare it to going forward.



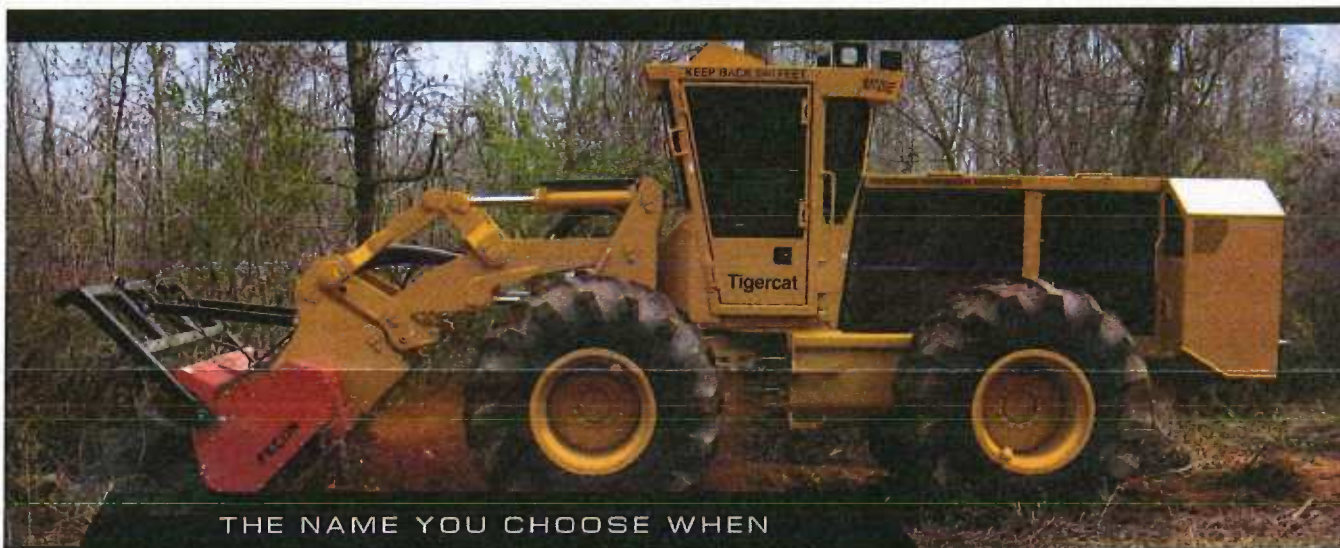
Several of the trees in place at Ground Zero in May 2011. Photo courtesy of Bartlett Tree Experts Inc.

"Even at the holding yard, where we've been caring for these trees for the past four years, every time you go there, even though it doesn't have anything to do with Ground Zero, just seeing those trees out in a field, your chest swells with pride."

A self-professed news junkie who can

recall watching the horrific events of September 11, 2001, for four hours, Cox says he's proud to be part of the rebirth.

"My kids and grandkids will know forever that I contributed to that, it's really valuable," Cox says. "It's made the intolerable tolerable."



THE NAME YOU CHOOSE WHEN
YOU WANT RESULTS AND NOT EXCUSES.

THE M726E MULCHER

Designed for right-of-way and vegetation management in dry soil conditions, the M726E is a high performance, high uptime machine for demanding and time sensitive land clearing projects. The optional multi-function hydraulic system and quick attach boom adapter allows the machine to be quickly and easily switched from a mulcher to a feller buncher for increased versatility.

Contact us today to find out more about Tigercat mulchers and off road aerial device carriers.

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

Safety

Conqueror Safety Glasses Vanquish Workplace Impact Hazards

Gateway Safety introduces its newest line of safety equipment—Conqueror protective eyewear. This new safety glasses style is an upgrade over existing design technologies.

Most employees will find that Conqueror is more comfortable than similar alternatives, it's reported. At the



same time, employers will find that it's a more cost-effective solution.

Highlighted by an attractive, contemporary design, Conqueror features include a soft rubber nosepiece and ergonomic, contoured temple tips that don't pinch, ensuring all-day wearability with no slipping. The sleek, strong frame is extremely lightweight and available in both a glossy black as well as Gateway Safety's new Camo frame pattern. The Camo frame—a very good solution for workers who just want to look a bit sportier on the jobsite—is available with clear anti-fog, gray anti-fog, amber anti-fog and bronze mirror lenses.

Gateway Safety
CIRCLE 126 ON READER SERVICE CARD

OUR EXPECTATIONS ARE HIGH
WHEN IT COMES TO
OFF-ROAD MACHINERY.

THE AD610C AERIAL DEVICE CARRIER

This four-wheel drive off-road carrier can handle rough terrain and access hard to reach job sites with ease.

Ideal for tree trimming, line clearing and aerial work around energized conductors, the AD610C can be easily adapted to accommodate a wide variety of devices.

Contact us today to find out more about the AD610C aerial device carrier and other Tigercat off road industrial products.

Tigercat

off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

go to <http://utilityproducts.hotims.com/> for more information

CIRCLE 17 ON READER SERVICE CARD

Web Strap Pullers Provide High Lifting, Pulling Power with Lighter Weight Frame

The new Model 35 and 40 web strap hoists from LUG-ALL provide workhorse lifting and pulling power with a lighter weight frame. The Model 35 and 40 provide a 3000- or 4000-lb. pulling capacity with a smaller, medium frame design starting at 12.5 lbs. The smaller frame makes these hoists easier to handle and makes repetitive lifting or pulling less cumbersome.

Both models are available in a standard or convertible arrangement. The convertible model eliminates the need for a third hook by incorporating a bracket that bolts directly to the frame. While the Model 40 2-ton hoist provides 10 feet of strap length, the Model 35 1 1/2-ton hoist provides an extra 6 feet of strap for an overall strap length of 16 feet.

All LUG-ALL web strap hoists are designed to meet American National Standards Institute (ANSI) B30.21.

LUG-ALL Corp.
CIRCLE 124 ON READER SERVICE CARD



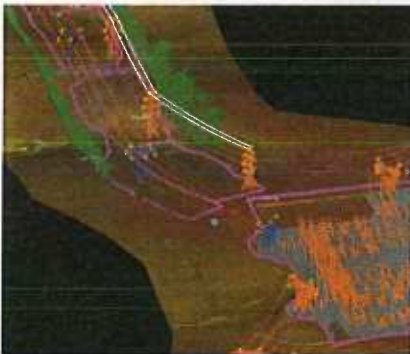


Shown is a Thermal Direct collection console and the line it is flying from inside the helicopter.

Linemen are expected to work in less than ideal conditions. Emergency situations, such as terrorist threats and natural disasters, place much stress on linemen. The long hours can lead to fatigue, reducing alertness and increasing accidents. While emergencies are inevitable, the industry can do a better job of planning by reducing the number of sites that require attention. Fewer sites visited will equal fewer accidents.

To improve the performance of transmission lines, thereby reducing maintenance visits, operators must conduct asset management studies so they can identify the most cost-effective upgrade opportunities with the minimum amount of social and environmental impact.

As has always been the case in the utility industry, a fundamental problem can be found in the verification process. While the relationship between the line's temperature, sag and tension requires an accurate measurement so utilities and line operators can plan accordingly, they have largely been left to calculate conductor temperature through a steady-state heat balance equation. This




A screen shot of light detection and ranging from a substation (lower left corner) and beginning of the line. The green is vegetation and brown is the ground.

often directly limits conductor capacity, results in artificially constrained circuits and generates significant margins of error—primarily because of weather variables, such as


wind and ambient temperature.

High temperatures and a large margin of error can result in a significant waste of energy, resources and money. It is

OUR EXPECTATIONS ARE HIGH
WHEN IT COMES TO
OFF-ROAD MACHINERY.



Visit us at
Booth # N3112



**THE AD610C
AERIAL DEVICE
CARRIER**

This four-wheel drive off-road carrier can handle rough terrain and access hard to reach job sites with ease.

Ideal for tree trimming, line clearing and aerial work around energized conductors, the AD610C can be easily adapted to accommodate a wide variety of devices.

Contact us today to find out more about the AD610C aerial device carrier and other Tigercat off road industrial products.

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

CIRCLE 26 ON READER SERVICE CARD

go to <http://utilityproducts.hotims.com/> for more information

EXHIBIT O



THE RIGHT WAY TO DO RIGHT-OF-WAY

THE 480 MULCHER

With maximum horsepower to the ground, efficient hydraulics and excellent cooling capacity, the 480 is a high performance, high uptime machine for the most demanding and time-sensitive pipeline right-of-way projects.

Contact us to today to find out more about the 480 mulcher and Tigercat's other off road industrial products.

Tigercat

off road industrial products

519.753.2000

comments@tigercat.com

www.tigercat.com

Engineering Software - GASCalc™ 5.0 ...

Asuite of design tools including calculations for pipe, service line, regulator, relief valve, metersizing-sonicvelocity, gas properties, crossings, gas loss, MAOP, and more.

Visit www.b3pe.com for information and demonstration version of the software.



Bradley B. Bean, PE (719) 578-9391

LANE Trailer Manufacturing Company LCP 0807-Deluxe Coiled Pipe Trailer



Standard Features-

7K axle -ST235/80R16 tires
Heavy duty frame, fenders and tongue
Adjustable height hitch-safety chains -break away system
LED lighting-enclosed wiring -soldered and heat shrink connections
8' self loading turn table with brake
Power up/down elec/hyd pump with corded remote
4'x4' storage area with gate
Walkway with side access steps
Aluminum storage boxes -2)24x24x24 & 3)48x24x24

Optional Equipment-

Dual 3.5' turn tables
Custom size storage and generator boxes



GULF INTERSTATE FIELD SERVICES, INC

Let us provide you with the people you need for your next project.

- Construction Management
- Chief Inspection
- Craft Inspection
- FERC Application Support
- NACE Certified
- API 653/570/510

Office: 713.850.3500

Fax: 713.850.3566

KIENE INDICATOR VALVES FOR COMPRESSOR ANALYSIS

FOR MAXIMUM ACCURACY, KIENE'S NEW FULL-OPENING CV SERIES INDICATOR VALVES PROVIDE THESE FEATURES:



- Large, Straight-Through flow path minimizes channel resonance and maximizes accuracy.
- Compact design is safe — no need for separate nipples or adapters.
- Vent Valve safely relieves pressure prior to removing transducer.
- 2000 PSI (CV Series) and 4000 PSI (KN Series) capacity available.
- Quarter-turn for fast operation

Safely Locking Handle option is also available

THE CV AND KN SERIES INDICATOR VALVES ARE DESIGNED SPECIFICALLY FOR COMPRESSOR ANALYSIS.

CALL FOR INFORMATION.
KIENE
DIESEL ACCESSORIES, INC.

Fax: 630-543-5953

Website: www.kienediesel.com

Telephone: 1-800-264-5950
E-mail: info@kienediesel.com

EXHIBIT P

4 WAYS TO IMPROVE BUSINESS DEVELOPMENT

- 1) **Client retention:** Do whatever you can to retain your existing clients. Offer an open house for them to see what your technologies are and how you can save them money on projects. Show your classrooms for internal training, your machine guidance equipment, your calibration lab and your investments in heavy iron. Bring home that you aren't just a contractor, but a project resource as well.
- 2) **Attract new clients:** In addition to hosting an open house, attend bid meetings, where upper management is often present these days. You can develop relationships with people you had previously not had easy access to.
- 3) **Add business units:** Add a demolition department to clean up sites and remove unneeded materials. Add a materials department for supplying crushed stone, aggregate or sands to the project. Add services to be supplied by these new departments that you have not yet capitalized on.
- 4) **Write white papers on your successful projects:** These can be used in a variety of ways, including your own marketing materials, manufacturer communications and in trade magazines, including *Site Prep*. Get your message out there!

area is four months. Infrastructure spending is increasing due to a new transportation tax structure in Virginia. Public Private Partnerships (PPP's) are a continuing source of funding for large projects, evidenced by work along Route 28, the Inter-County Connector (ICC) and the HOT lanes for VDOT. Energy of all types seems to be thriving, new sites are being developed for coal mining and natural gas exploration, and new companies are arriving on the scene. Investment in the expansion of energy is occurring at a significant rate—and yes, we're talking the Mid-Atlantic, not Texas.

- **Southeast:** Florida's economy has markedly improved over the past year. Southern Florida is experiencing a reduction of housing inventory, the growth of new development for the first time in years and an increase in infrastructure funding in anticipation of a growth of baby boomers during the next decade or so. Record high funding for seaport and coastal improvements have passed the state legislature, helping land development, cruise companies and cargo companies.
- **Texas:** Austin, Dallas and Houston continue to be standouts for their growth and new development. Our company worked for a survey firm in Houston that performed 35,000 house locations in one year. Houston may partially attribute its growth to the ability it has to simply annex any part of the



THE RIGHT WAY TO DO RIGHT-OF-WAY.

The **Tigercat M726E** is an asset in pipeline clearing and maintenance applications. In heavy duty applications, the large attachment pump supplies high flow to the head for excellent performance. The high capacity cross-flow cooling system allows for highest uptime rates even in extremely hot, dusty conditions.

In ROW maintenance applications, Tigercat's WideRange™ permits quicker travel speeds for improved production. Visit www.tigercat.com/widerange to learn more about the exclusive benefits of WideRange.

widerANGE

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

Attachment Focus

COMPACTION WHEELS

Information for *Site Prep's* attachment focus on compaction wheels has been provided by the respective manufacturers. For more specs on their attachments, visit the websites listed under each entry.

1



2



3



4



1. EDGE Compaction Wheels in 18-in. and 24-in. models are trouble-free designed, requiring no hydraulic hookups. They feature high-strength, heavy-duty sealed bearings and hardened bushings for long-lasting soil compressing operation. (www.ceattachments.com)

2. M. C. FAULKNER & SONS Compaction Wheels are designed to quickly and efficiently compact dirt. A custom lip allows for moving dirt easily and can be tipped up during compactations. The broad-based feet increases soil density and compaction density. (www.mcfaulkner.com)

3. The FELCO segmented style compaction wheel has an open rim design and is capable of 1-2 ft. lifts, which allows the segments to penetrate the lift, compact from the bottom up and achieve 95 percent or more density. (www.felco-ind.com)

4. MBW's UVW Vibratory Wheels combine vibration at 3,000 VPM with up to 33,000 lbs. of down pressure. All of MBW's static and vibratory compaction wheels come with integral knock down blades, and are available in 24-in. and 36-in. working widths. (www.mbw.com) **SP**



THE RIGHT WAY TO DO RIGHT-OF-WAY.

wideRANGE

The **Tigercat M726E** is an asset in pipeline clearing and maintenance applications. In heavy duty applications, the large attachment pump supplies high flow to the head for excellent performance. The high capacity cross-flow cooling system allows for highest uptime rates even in extremely hot, dusty conditions.

In ROW maintenance applications, Tigercat's WideRange™ permits quicker travel speeds for improved production. Visit www.tigercat.com/widerange to learn more about the exclusive benefits of WideRange.

Tigercat

off road industrial products

519.753.2000
comments@tigercat.com

www.tigercat.com

A.T. Kearney Study Addresses Long-Term Natural Gas Prices

Global management consulting firm A.T. Kearney has released a report analyzing key actions needed by the natural gas industry to reduce the volatility of gas prices and reach a balanced market that will provide investment incentives for producers, midstream players, marketers and consumers of natural gas products.

The report "With Fortunes to Be Made or Lost, Will Natural Gas Find its Footing?" addresses long-term pricing in the natural gas market and provides insight into five different natural gas 2020 scenarios that could impact the balance of natural gas supply and demand.

"The North American natural gas market is structurally out of balance and cannot stay this way," said Herve Wilczynski, A.T. Kearney partner and co-author of the study. "Speculative investment combined

with diverging incentives and investment horizons have plagued the industry for years. There is some hope for the future. The increased role of global players and more prevalent use of long-term contracts should bring some stability to pricing."

Understanding future natural gas pricing is critical for businesses as gas producers and gas users (primarily chemical companies, power generators and gas exporters) must make major infrastructure investments.

"We believe the price of natural gas in the free markets scenario will find equilibrium by 2020 in the \$6 to \$7 range," said Patrick Haischer, A.T. Kearney partner and study co-author. "Any lower than that price and production from dry-gas wells would not increase sufficiently to meet demand; any higher and demand from power plants will decline."

The industry is not structured for short-term win-win scenarios. Understanding what is going to happen requires understanding the

players, their economics and incentives. The economic model that is the basis for the report analyzed the key participants in the natural gas supply and demand market and the dysfunction caused by each player too often focusing on only their interests.

For instance, the study shows that independent producers are fond of short-term plays and have an investment time horizon of just a few years. They can bring on capacity quickly and inexpensively, but if gas prices stay below \$4 per million Btu, many players with predominantly dry gas portfolios will continue to struggle and possibly go out of business.

"The encouraging news is that some of the natural gas market suppliers are already pairing up," said Andy Walberer, A.T. Kearney partner and study co-author. "Chemical companies are signing long-term ethane supply agreements with shale NGL producers and midstream companies. LNG companies are doing the same with the suppliers and their customers."



THE RIGHT WAY TO DO RIGHT-OF-WAY.

THE 480 MULCHER

With maximum horsepower to the ground, efficient hydraulics and excellent cooling capacity, the 480 is a high performance, high uptime machine for the most demanding and time-sensitive pipeline right-of-way projects.

Contact us to today to find out more about the 480 mulcher and Tigercat's other off road industrial products.

Tigercat

off road industrial products

519.753.2000

comments@tigercat.com

www.tigercat.com

sult, demand falls for both LNG exports and ethane-based chemicals from the United States, challenging the overall economics of shale gas plays in North America.

High output. Robust global GDP growth and lack of global shale developments lead to the highest level of U.S. natural gas demand.

These scenarios represent a combination of various, and sometimes drastic, supply and demand discontinuities. Nevertheless, the resulting gas prices are spread across a surprisingly narrow range of \$5 to \$8 per thousand cubic feet (mcf). We believe market trends point to a strong future for natural gas and its ability to pull prices up structurally, with upstream production economics determining the floor price and competition between coal and gas defining the ceiling price.

Navigating Turbulent Times for Midstream Decision-Makers

One of the biggest difficulties in looking forward is knowing when

a current trend represents lasting change and when it is merely a bump in the road. Shale gas represents lasting change, but every change has many paths to balance. And on the road from here to long-term balance, there will undoubtedly be many short-term irritations — a mild winter, a Middle East crisis — that will send some analysts to wrong conclusions.

The regulatory certainty and more balanced pricing reflected in the free-market scenario could provide a foundation of stabilized demand on which to build investments. That's a likely path to long-term balance, but even it would be filled with both short-term bumps and more serious detours caused by players with different incentives.

The continued rise of the MLP business model in midstream has been in direct response to the low return on capital of these assets and the shifting focus areas of upstream production. This will most likely continue but there are some situations where integrated oil and gas companies should consider pipeline ownership: being able to secure economically effective

transportation capacity to link upstream and downstream markets can be a matter of strategic importance, especially in areas of new development.

Those companies interested in expanding their midstream business have to pay careful attention to the shifting production and demand patterns created by the combination of how the gas equilibrium is reached and how the access to cheap gas and chemical feedstocks is exploited. While many opportunities have been and will be created, there is a danger of over-building and getting stuck with underused assets. The winners will be those that fundamentally understand the cross-industry dynamics and can create a stable position with proper economic return.

Herve Wilczynski is a partner and Brian Forbes is a principal in A.T. Kearney's Energy Practice. They are both based in Houston and can be reached at Herve.Wilczynski@ATKearney.com and Brian.Forbes@ATKearney.com. A.T. Kearney is a global management consulting firm.



THE RIGHT WAY TO DO RIGHT-OF-WAY.

THE 480 MULCHER

With maximum horsepower to the ground, efficient hydraulics and excellent cooling capacity, the 480 is a high performance, high uptime machine for the most demanding and time-sensitive pipeline right-of-way projects.

Contact us to today to find out more about the 480 mulcher and Tigercat's other off road industrial products.

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

2151050R101500



der license from Operations Technology Development (OTD) which can be found at www.ComponentID.org, a website that acts as a clearinghouse for the registration of all gas pipe and component manufacturers' identification codes.

"This website provides a universal portal where manufacturers can easily inaugurate their efforts toward compliance by creating their own ID codes as the critical part of the tracking and traceability system," said Tony Radoszewski, PPI's executive director. "It was developed to jump start manufacturers implementation procedures for product traceability and it allows gas utilities a centralized location for identifying components used within any gas distribution system.

"PPI has agreed to operate and maintain this registry developed in coordination with the OTD consortium of gas utilities to support the registration of a unique manufacturer identifier in



With increased demand for natural gas comes the need to for more distribution pipelines. Safety concerns have led the Plastic Pipe Institute to develop a pipe tracking system to improve industry accountability.

THE RIGHT WAY TO DO RIGHT-OF-WAY.

widerANGE

TigerCAT®
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

The **TigerCAT M726E** is an asset in pipeline clearing and maintenance applications. In heavy duty applications, the large attachment pump supplies high flow to the head for excellent performance. The high capacity cross-flow cooling system allows for highest uptime rates even in extremely hot, dusty conditions.

In ROW maintenance applications, TigerCAT's **WideRange™** permits quicker travel speeds for improved production. Visit www.tigercat.com/widerange to learn more about the exclusive benefits of WideRange.

more equipment on a job of that size but we were making such good headway that we could start another project. This particular job had a little of everything in it. Standing timber sections, heavy underbrush sections, and a section that was nearly 1 mile long of nothing but old slashing from a logging operation. We did that last mile in three days with the Fecon. It was perfectly suited for that type of job. The material was too rotten for a chipper and the access was too small to bring in a horizontal grinder."

In this instance, having the right equipment not only eliminated downtime, but it also boosted productivity since the company was able to start another project with equipment that was not needed on this jobsite.

WHERE THE MULCHER MEETS THE MUD

Once there, the mulching is accomplished with fixed hammers mounted to a solid rotor that is 109 in. wide — ample distance to more than cover the 98-in. machine width. The heavy duty mulcher head has a lift range of 125 in., which in-

cludes 93 in. above ground to attack standing trees. As important for White and his crews is the 32 in. of belowground range that the FTX600 offers. This allows stumps to be ground to sub-soil level and incorporated into the earth for faster decomposition with a single step.

Grinding of stumps, especially those pushed out of the ground, is huge for White and his crews because they push the trees over, which creates another problem to deal with: the root ball. This is mulched along with any other clearing debris which is left over.

"Some of the companies that we work with do not like the chips left on the ground because of the effect they have on the soil pH," White says.

That is in contrast to chipping materials and blowing them into a truck to carry off-site, because of the reluctance to allow chips to remain as ground cover in some counties. Even with the severe duty of grinding big wood — such as 20- to 30-in. diameter oak, cherry and sumac — as well as grinding stumps and then incorporating that into the soil, White is still getting 140 hours on a set of mulching teeth.

"At that point they are rounded and produce longer shreds than when they are new," White says, "so we change them out. If we were doing underbrush, saplings and smaller diameter materials, we might get 400 to 500 hours out of the teeth."

The time required to change out teeth is about an hour, according to White. While tooth service life is certainly a visible component of mulcher maintenance, it is still just one consideration.

"Everything forest related requires maintenance, it's just the nature of the beast," he says. "But the FTX600 has been great."

In the oilfield services business, the name of the game is uptime — being ready to answer the call when it comes. Having the right equipment, including the new 600-hp mulching tractor, has helped White Energy Services eliminate downtime and boost productivity. And that has these crews whistling as they work their way through the woods, from jobsite to jobsite along the Marcellus shale region.

Tom Hoyer is product manager for Fecon, based in Lebanon, Ohio.



THE RIGHT WAY TO DO RIGHT-OF-WAY.

The **Tigercat M726E** is an asset in pipeline clearing and maintenance applications. In heavy duty applications, the large attachment pump supplies high flow to the head for excellent performance. The high capacity cross-flow cooling system allows for highest uptime rates even in extremely hot, dusty conditions.

In ROW maintenance applications, Tigercat's WideRange™ permits quicker travel speeds for improved production. Visit www.tigercat.com/widerange to learn more about the exclusive benefits of WideRange.

widerANGE

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

Index

PSI/Pikotek.....TX
Shreeraj.....Gandhinagar

KEYHOLE DRILLING EQUIPMENT
Gandrsales.com.....AB
Shell Canada Ltd.....AB
Utilicor Technologies.....ON
Vermeer Heartland.....OH

LEAK DETECTORS
American Chemical
Technologies Inc.....MI
B3O EnviroTek/Leakage
Consultants.....TN
EST Group.....PA
Great Lakes Utility Resourcing.....WI
Heath Consultants Inc.....TX
Leakage Consultants.....TN
Nexteq LLC.....FL
Pure Technologies Ltd.....MD
Quanta Services.....TX
SENSIT Technologies.....IN

LEAK REPAIR EQUIPMENT
InduMar Products Inc.....TX
Pajono Woodworks.....CA
Pipe Wrap LLC.....TX
PLCS Inc.....NJ

LNG EQUIPMENT/TANKS
Northstar Industries LLC.....MA

LOCATORS
B3O EnviroTek/Leakage
Consultants.....TN
Clausen Instrument Co. Inc.....NC
Craig A. Smith & Associates.....FL
Ditch Witch.....OK

ESP Associates, PA.....NC
Great Lakes Utility Resourcing...WI
Heath Consultants Inc.....TX
Leakage Consultants.....TN
Midwestern Pipe
Line Products Co.....OK
Schonsted Instrument Co.....WV
SENSIT Technologies.....IN
Tri-Global Technologies LLC.....GA
Vermeer Heartland.....OH
Vulcan Utility Signs.....AL

LOSS CONTROL
Fishbone Safety Solutions.....TX
Lockton.....MO

LUBRICANTS & EQUIPMENT
American Chemical
Technologies Inc.....MI
Continental Chemical USA.....FL
Premier Craneworks.....MS
Reese Tool & Supply Co.....OH
Sunair Co.....PA

MANIFOLDS
Forrer Supply Co.....WI

MAPPING
BAE Systems.....VA
CartoPac International.....CO
Craig A. Smith & Associates.....FL
CSS Group Inc.....KS
ESP Associates, PA.....NC
Immersive Video Solutions.....AK
JMJ Summit Services LLC.....CO
New Century Software.....CO
Petersen Engineering Inc.....IN
Pro Plus Inc.....TX

S & V Surveying Incorporated
Pipeline Services.....TX
Shell Canada Ltd.....AB
Stantec Consulting Services Inc....UT
Surveying & Mapping
Inc. (SAM Inc.).....TX
Tri-Global Technologies LLC.....GA
Underground Imaging
Technologies LLC.....NY
XEOS Imaging.....QC

MARKERS
Advantage Brands Inc.....MO
Glasforms Inc.....AL
Liberty Sales & Distribution.....PA
Tech Products Inc.....NY
Vulcan Utility Signs.....AL

MARKETING
Benjamin Media Inc.....OH
CalSilica Solutions LLC.....CA
MCDRS LLC.....TX
Sessions Group.....TX
Upstream Marketing.....TX

MARKING TAPE
Advantage Brands Inc.....MO
Glasforms Inc.....AL
Tech Products Inc.....NY
Terra Tape, Division of
Reef Industries Inc.....TX
Uticom Systems Inc.....PA
Vulcan Utility Signs.....AL

MAT ROAD SYSTEMS
AlturaMATS Inc.....PA
Bridgwell Mats.....OR
Bridgwell Resources.....NY

C & E Pipeline Services.....MI
Crane Mat Co., The.....OR
Dixie Mat & Hardware Co.....MS
Global Mats and Hardwood LLC.....IL
Tumac Lumber.....OR

**MATSOFF-ROAD/
CRANE/INDUSTRIAL**
AlturaMATS Inc.....PA
Bridgwell Mats.....OR
Bridgwell Resources.....NY
C & E Pipeline Services.....MI
Crane Mat Co., The.....OR
Erosion Technology Services LLC.....WV
Global Mats and Hardwood LLC.....IL
Industrial Matting LLC.....OR
SRT Solutions LLC.....TX
Tumac Lumber.....OR

MECHANIC SERVICE TRUCKS
Excel Equipment Co. Inc.....ID
Palfinger North America.....ON
Thompson Machinery Sales Inc....NV

METERS/SYSTEMS/DEVICES
Center for Underground
Infrastructure Research and
Education (CUIRE).....TX
Energlia Cura LLC.....AK
Great Lakes Utility Resourcing...WI
Quanta Services.....TX

MICROWAVE EQUIPMENT
ITC Global.....TX



INTRODUCING THE NEW 470 MULCHER

Tigercat is pleased to add the new 470 Mulcher to its line of off road industrial machines.

Efficient hydraulics, loads of cooling capacity, 300 hp, extremely low ground pressure and legendary Tigercat build quality for highest uptime and machine availability in severe duty ROW pipeline and exploration applications.

Tigercat
off road industrial products

519.753.2000
comments@tigercat.com
www.tigercat.com

EXHIBIT S



FEATURES AND ADVANTAGES

The S640 is a purpose-built prime mover for silvicultural applications. Advantages include infinitely variable speed range and a unique cooling system arrangement.

Benefits of the Hydrostatic Drive

- Maximum horsepower available at all speeds.
- Infinitely variable speed control
- The skidder automatically applies the required torque to the terrain without operator guesswork.
- Simple to operate: (lower operator fatigue)
 - No shifting gears
 - Dynamic braking
 - No clutch or throttle pedal
 - Faster turns (at the end of the row)

High Capacity Cooling System

The innovative side-by-side cross flow cooling system with a reversible fan (the fan is hydraulically driven) improves cooling capacity and allows for less frequent cleaning of the heat exchangers. Airflow is unimpeded by the engine.

A mechanical linkage from the pump to the cab allows the operator to control the fan speed and reverse the fan to purge the coolers if necessary.

Structural Integrity

Site preparation work is an extremely demanding application for a skidder. The S640 is designed and built to meet these demands with thick steel plate, precision line boring and high quality components. The 230hp Cummins engine provides plenty of power for the application.

Versatile

The carrier comes standard with valving to easily connect with a variety of trencher and plow-type site-prep attachments. The S640 can also be easily converted to a grapple skidder. The connections are the same.

Bullet Hitch

The winch bullet hitch allows the attachment to be disconnected if the machine gets stuck and winched back to the machine once it is free.

PRELIMINARY SPECIFICATIONS:

Power

Engine Cummins 6CT8.3, 230 hp
Top Speed 10m.p.h (16 km/h)
Cooling Cross-flow; reversible fan;
aluminum

Power Train

Transmission Variable speed hydrostatic

Axles

Front Inboard planetary; front 15°
oscillating,
Differential locks ... Independent front and rear

Brakes

Dynamic Braking Hydrostatic
Secondary Brakes Enclosed, oil cooled
Park Brake Manual driveline disc brake

Tires

Standard 30.5 x 32

Hydraulic System

Main Pump Variable displacement axial piston
Filtration 10 micron, absolute

Electrical

Battery (2) 12 volt
Alternator 105 amp

Operators Station

Cab Pressurized, insulated and isolation
mounted
2 doors, sliding side windows with
hinged screens; forward sloping
windshield
Air conditioner and heater
AM/FM stereo cassette
Seat Extreme duty, fully adjustable with
lumbar supports and arm rests
Controls Hydraulic pilot operated
Steering Variable rate, orbital

Other Standard Equipment

Precleaner and 2-stage engine air cleaner
Back-up alarm
Fire extinguisher

Optional Equipment

Halogen lighting package
Pressurized water system
Blade extensions

WE RESERVE THE RIGHT TO AMEND THESE SPECIFICATIONS AT ANY TIME WITHOUT NOTICE

Tigercat™

40 Consolidated Dr.
P.O. Box 544
Paris, Ontario
Canada, N3L 3T6
Tel: (519) 442-1000
Fax: (519) 442-1855

EXHIBIT R

Timber

HARVESTING

& WOOD FIBER OPERATIONS™



**FEATURE STORY LEADS
WANTED**

[Home](#)
[News](#)
[Editor's Blog](#)
[Media Center](#)
[Links](#)
[Magazine](#)
[Contact](#)
[Subscribe/Renew](#)

Advertiser Index

[Subscribe](#)
[Photos Archive](#)
[Magazine Archive](#)
[Timber Harvesting](#)

P.O. Box 2268
Montgomery, AL 36102

800.669.5613
334.834.1170

URL: <http://goo.gl/heYIE>

[Tweet](#)


Advanced Forest Equipment

Advanced Forest Equipment is a manufacturer of high performance mulching attachments for excavators and skid steers. Unlike many other attachment manufacturers, AFE personnel have spent more than 20 years in the business of clearing land using every type of available equipment.

<http://www.advancedforest.com> [866.772.0999](tel:866.772.0999)

Aftermarket Parts, Inc.

Serving the replacement parts industry worldwide since 1971 with the mindset that our parts must perform in the most unforgiving of environments.

<http://www.rightparts.com/> info@rightparts.com [800-487-2335](tel:800-487-2335)

Alliance Tire Americas

Logmonster LS-2; Logstomper Xtreme LS-2+

Forestry Tires That Are As Rugged And Dependable As You.

<http://www.atgtire.com> [800.343.3276](tel:800.343.3276)

Alucar

Light & Durable Timber Bunks & Superstructures From the leading manufacturer in Europe.

<http://www.alucar.com> [+358.207.851.720](tel:+358.207.851.720)



American Logger's Council

ALC is the only national organization solely dedicated to representing the independent contract logger on the national level. We have the combined forces of independent contractors and state and regional logging associations around the country to impact our industry positively and pro-actively by sharing the benefits of education and training opportunities, networking, research, promotion and legislative coordination.

<http://www.americanloggers.org> [409.625.0206](tel:409.625.0206)




Antwerp Machine

Hydraulic Cylinder Experts

 antwerpmachine@emypeople.net  315.659.8977

Arkansas Timber Producers

SW Forest Products Expo 2013; Sponsored by the Arkansas Timber Producers Association.
August 23-24 Hot Springs Convention Center; Equipment, Services, Supplies, Technology, Training
Special events & activities for the whole family!

 <http://www.arkloggers.com>  lboccarossa@sbcglobal.net  501.224.2232

Bandit Industries

The savings in running a Bandit Microchipper should come close to making your monthly chipper payment. Our chippers fully load trailers without the need for an auxiliary blower or accelerator, which makes them 30% more fuel efficient. Accelerators pull 80 to 100hp, plus they require regular maintenance. With a Bandit, you'll average above 3 tons of chips per gallon of fuel.

 <http://www.banditchippers.com>  800.952.0178



Barko Hydraulics

Barko has consistently led the industry with innovative forestry solutions. And we continue to beef up our offering with new technology, engineering and products. Tractors, crawlers, handlers, loaders, forwarders, harvesters, chippers... Barko has more than ever before, giving you a complete line of machines to deliver optimal results on demanding jobs.

 <http://www.barko.com>  715.395.6700

Bayer Material Science

Operator safety should never be taken lightly. Superior heavy vehicle glazing provides uncompromising operator protection while maintaining optimum visual clarity.

 <http://www.sheffieldplastics.com>  800.254.1707

BITCO Insurance



BITCO knows the forest products business. For more than 70 years, we have been providing the insurance protection and responsive services needed for wood-related risks. From workers compensation and general liability to auto and property coverage, you get affordable prices along with safety and security from a financially secure, A rated company. Best of all, you'll experience service from people who know and care about your business.

 <http://www.bitco.com>  800.475.4477

Caribou Software

Get Organized with The Logger's Edge:



Monitor Production and Deliveries by Job and Destination Automate Subcontractor and Landowner Payments
Reconcile Mill Settlements Track Depletion and Cruise Volumes by Job

 <http://www.caribousoftware.com>  850.532.6206

Cat Forest Products




Pull a full drag up a steep grade with the new Cat D Series Skidder and feel the power. Tires stay on the ground, so it won't dance with you on turns. Six-speed transmission, lock-up torque converter and independent front and rear differential locks give you more control. Advanced converter and independent front and rear differential locks give you more control. Advanced hydraulics speed up cycle times and lift more. Watch your drag through tall windows in cool, quiet comfort with seat-mounted grapple joysticks at your fingertips.



 <http://www.cat.com/forestry>  919.550.1201

Cleanfix Reversible Fans

More power; 30% less power consumption; Less noise under full load; Reduced fuel consumption

 <http://www.cleanfix.org>  info@cleanfix.org  855.738.3267

Cross Oil

Cross Oil provides a full range of high quality products aimed at improving production in the forestry industry. With our Xtreme and Gard brand products, we offer a complete line of tractor hydraulic and transmission fluids, hydraulic oils, gear oils, bar and chain oils, saw guide oils, engine oils and greases.

 <http://www.crossoil.com>  800-343-6361

Detroit Diesel

The biggest jobs require our biggest engine, the DD16 with BlueTec SCR emissions technology. This monster delivers up to 600 horsepower, so you can pull heavy loads on the toughest roads. It also offers exceptional torque for launch and acceleration.

 <http://www.demanddetroit.com>  313.592.5000



Doosan Infracore Construction Equip.

Want to run strong equipment? Run Doosan. Run Strong.

 <http://www.doosanequipment.com/runstrong5>  877.745.7814

DRM/Centri High Heat

The world's most dependable engine precleaner

 <http://www.centriprecleaner.com/high-heat-precleaner>  800.356.4882

DuraTech Industries

2009T Tub Grinder

CAT 312 Track System CAT C9 325 hp Tier III diesel engine Grinder functions controlled by remote
Self-cleaning air intake system and enclosed engine compartment PT-Tech HPTO-12 Clutch

 <http://www.duratech.info>  888.230.5494

Duratech Industries International

Versatile Grinding Power. The 2009 Electric Industrial Tub Grinder

No emissions, less noise and maintenance, and unparalleled grinding power
400 hp soft start main drive motor and 75 hp motor to power the hydraulic system
PT Tech Torque limiter protects the motor and hammermill from overloads, jams and costly repairs
Heavy duty hammermill, tilting tub for easy access and maintenance

 <http://www.duratech.info>  888.795.1977

Dynamic Manufacturing

Only Dynamic's whole tree chippers produce chip sizes this consistent. That's because we offer the patented Cone-Head drum design. Unlike the chopping action of traditional drum or disc machines, the Cone-Head delivers an innovative slicing action. This efficient design produces impeccably consistent chip sizes of the highest quality. Every time.

 <http://www.dynamicmfgcorp.com>  715.395.6700

East Coast Sawmill Expo

Richmond Raceway Complex * Richmond, Virginia. Friday May 16th 9:00a.m. until 5:00p.m. and Saturday May 17, 2014 9:00a.m. until 3:00p.m. The 34th East Coast Sawmill and Logging Equipment Exposition will be 2014's largest collection of sawmill, logging, biomass, pallet and related manufacturing equipment, supplies and services in the Eastern United States. Nearly 300 exhibiting companies and thousands of forest products industry people will convene for the 34th Richmond Show.

 <http://www.exporichmond.com>  (804) 737-5625

Elmia

Elmia Wood is the world's largest forestry fair. It is constructed out in the forest every fourth year and welcomes visitors from around the world. So if you want to find out the latest trends in the global forest industry, Elmia Wood is a "must".

 <http://www.elmiawood.com>  dk@hattonbrown.com  +46.36.15.23.84

Enviro-Span

Enviro-Span's Modular Culvert System is a permanent or temporary culvert system suitable for use over fish bearing or environmentally sensitive streams without disturbing the stream bed.

 <http://www.enviro-span.com>  615.649.3700

Enviva LP

Enviva LP, which has been safely, stably and reliably supplying wood chips and wood pellets to customers in the U.S. and Europe since 2007, and is continuing its aggressive expansion program, has an immediate need for additional personnel and contractors to help it meet its contract commitments. These opportunities exist in eastern North Carolina and southeastern Virginia.

 <http://www.envivabiomass.com>  franklin.bolton@envivabiomass.com  804.338.5435

Finn Metko 2014

FinnMETKO — the exhibition will be held from Thursday to Saturday 28-30 August 2014 in Jämsä Industrial School and its premises at Metsäoppilaitoksentie 14, Jämsä. The exhibition is open daily from 9.00 to 17.00.


The biggest and most important exhibition of Heavy Machinery. FinnMETKO 2014

 <http://www.finnmetko.fi>  +358.40.900.9410

Forest Chain

LaGrand Skidder Chains




Guaranteed Lowest Prices Order by Phone 24 hours Delivered to Your Door Full Warranty & Guarantee
Extra Heavy Duty Warehouses Throughout USA Fast Delivery 1 to 3 Days Free Hats with Every Order

 800.288.0887

Fulghum Industries

Products & Services:



Log Cranes, Chippers, Debarkers, Conveyor Systems, Screening Systems, Bark Hogs, Custom Forest Products Machinery, Parts, Service Contracts, Engineering & Project Management

 <http://www.fulghum.com>  sales@fulghum.com  800.841.5980

Gem Chain Bars

Manufacturing 3/4 Pitch Hi-Performance Cutting Systems for today's High Output HARVESTERS & PROCESSORS

One Piece; Longer Wear Life; Smoother Running; Less Chain Stretch; Maintenance Free

 <http://www.gemchainbar.com>  208.983.0203



George Kahler Sales

Logging supply with great prices! We specialize in Oregon, Husqvarna, Stihl, and Dolmar.

 <http://www.gksales.net>  888.330.7297

Goodyear Tire & Rubber

Downtime can cost you big time when hauling heavy loads. That's why Formula Powell depends on the Goodyear G741 MSD for extreme traction in severe terrain. Baret McAuley says, "We've found the G741 MSD to be superior in offering traction all year long. Plus, it's incredibly resistant to tire chain damage."

 <http://www.goodyeartrucktires.com>  800.321.2136




Goodyear/Titan Tire

Titan moves the world of Forestry. With the new Logger Lug III you get the best of the best: A high quality, high-performing forestry tire of ultra durability – backed by the experience, expertise and joined strength of three legendary names in tire manufacturing.

 <http://www.titan-intl.com>  217.277.1285

Hall & Hall Auctions

Since 1946, Hall and Hall has specialized in serving the owners and prospective owners of quality rural real estate by providing mortgage loans, appraisals, land management, auction and brokerage services within a unique, integrated partnership structure.

 <http://www.hallandhall.com>  auctions@hallandhall.com  800.829.8747

Harbor Freight Tools

We stock Automotive Tools, Power Tools, Air Tools and Compressors, Engines and Generators, Welders, Hand Tools, Tool Storage, Tarps and much more.

1 Year Low Price Guarantee!; No Hassle Return Policy; 100% Satisfaction Guaranteed! Over 25 Million Satisfied Customers!; 430+ Stores Nationwide!

 <http://www.harborfreight.com>  800.423.2567

Husqvarna Forest & Garden

Husqvarna's XP chainsaws are constantly tested under harsh conditions that require power, precision and durability. Our engineers balance all that power and speed with low weight and world class ergonomics. Together that generates excellent maneuverability, so that you can work both faster and safer.

 <http://www.husqvarna.com>  800.487.5951

In-Woods Expo



For exhibitors, this is a great chance to demonstrate/display/promote your products and services to thousands from the ArkLaTex region and beyond. Thousands of loggers, foresters, mills, equipment dealers and forestland owners are anchored within 300 miles of Hot Springs and they typically turn out in strong numbers for this family-friendly event. For attendees, it's a great chance to 'Tech Up' - to learn about the latest advanced machines and how their intelligent systems can help monitor and control operating costs and increase uptime.

 <http://www.arkloggers.com>  501.224.2232

Interforst 2014

Buy your ticket online. Save up to 35%.

July 16-20, 2014 Messe München Munich, Germany

 <http://www.interforst.com/en/tickets>  +49.89.949.11548

Intermountain Logging Conference

Embracing Change



77th Annual Conference & Equipment Show

Mirabeau Park Hotel & Convention Center, Spokane Valley, WA
April 8-10 (Wed.-Fri.) 2015

 <http://www.intermountainlogging.org>  julie@intermountainlogging.org  208.245.3425

John Deere Forestry

We changed the game, but you wrote the rules. Designed with input from Customer Advisory Groups, John Deere is proud to introduce the strongest, most productive forestry machines we've ever offered: our all new M-Series Harvesters and Tracked Feller Bunchers. One look tells you they're not interested in playing nice. In fact, they can't wait to fell the competition. At John Deere, We're For Loggers.

 <http://www.johndeere.com/forestry>  800.503.3373

KMC Kootrac/Kootenay Tractor

KMC-Kootrac Spring Inventory Reduction! All machines completely inspected, repaired as required, newly painted, serviced and pre-delivery inspection report submitted prior to shipment. Free shipping anywhere in the US & Canada – Even HAWAII.

 <http://www.kmc-kootrac.com>  kmckoot@telus.net  800.562.5303



Komatsu Forest

Komatsu 398 Head is worth the switch because:

Process diameters in excess of 23 inches; Anti-spin feed roller traction control

Carry-Style feed roller system; Spot-on measuring capability

3/4" pitch bottom saw & integral topping saw; MaxiXplorer control system, large color screen

 <http://www.komatsuforest.us>  920.593.3000

Lake States Logging Conference

The Great Lakes Logging & Heavy Equipment Expo is a 2-day expo that takes place during the Fall Season throughout the Lake States region of the United States. September, 5-6, 2014. Over 200 indoor and outdoor exhibitors attend each year to showcase the best of the best when it comes to Log Splitters, Portable Sawmills, Compact Tractors & Logging Equipment, Implements, Chainsaw Carving, Wood/Pellet Stove Dealers and much, much more.

 <http://www.timberpa.com>  715.282.5828

Laser Technology

QUICK and SAFE LOG DECK VOLUMES

Accurate results for just in time log volume assessments

Cost effective, one-person operation with simple to follow software

Adapts to any environment with five available measurement methods Enter to win a system by taking a survey

 <http://www.lasertech.com/thm>  877.696.2584

LDJ Manufacturing

Take your operation to the next level with a Fuel Trailer from Thunder Creek Equipment. Legal for use in agricultural and commercial operations, these rugged trailers are custom built to last in rigorous off-road conditions and to tow smoothly on the highway.

 <http://www.thundercreekequipment.com>  866.511.7835

Ligna International Fair

Ligna 2013 will showcase the latest trends and developments in the timber and woodworking industries.

Experience the innovative products and solutions exhibited by 1,700 suppliers from around the world.

Learn about new trends and products in your sector and find out how to make your day-to-day work easier.

Benefit from the know-how of numerous experts, themed presentations and an extensive programs of conferences.

 <http://www.ligna.de>  info@messe.de  +46.00.6123.0190

Log Max

Seeing really is believing. At least it was for Mike Nadeau who co-owns White Oak, Inc. with his father, Vernal nadeau. harvesting both softwoods and hardwoods, White Oak, Inc. owns 4 Log Max heads because they lend versatility and add to production. The low-profile steel rollers work together with the active friction control in the Log Max head to provide a mark-free but strong grip on any species. The same active friction control helps to reduce fuel consumption.

 <http://www.logmax.com>  360.699.7300

Manac

North America's #1 Logging Trailer Now Available In Your Area

Same Superior Quality Same Great Value


 <http://www.manac.us>  418.228.2018

Mid-Atlantic Logging & Biomass

September 20-21, 2013. Selma/Smithfield, North Carolina

2013 Show Expectations:

Even more Exhibitors \$110 million in equipment and supplies 4,000 attendees



 <http://www.midatlantic-logging-biomass-expo.com>

 contact@nclogger.com  919.271.9050

Mid-South Forestry Equipment Show

September 19-20, 2014
Starkville, Mississippi

Free continuing ed sessions for loggers, foresters, landowners; skidder/loader contests; on-site cooking allowed; Log-A-Load for Kids fundraisers; Special activities for kids; golf cart transportation; On-site Miss. Loggers Assn. banquet Friday night

 <http://www.midsouthforestry.org>  662.325.2191

Morbark

Maximize Profits with the Morbark MicroChipper

Productive – Morbark's exclusive enhanced Advantage 3 drum creates uniform micro-chips, while the mechanically driven chip accelerator fully loads your truck.

Practical – The operator-friendly, slide-in forestry grate system reduces oversized chips for a consistent, high-quality end product.

Profitable – With an average fuel consumption of 2.25 tons of micro-chips produced per gallon of fuel used, the Morbark 40/36 MicroChipper allows you to reduce costs and maximize profits.

 <http://www.morbark.com>  800.831.0042



Nolan Sales

A Nolan Sale on the Logging Equipment of Collins Timber Transport LLC 1196 Cty Rd E, Adams, WI 53910

Friday, June 21st starting at 11:30 AM South of Adams approx. 3 miles on State Hwy 13 to Cty Rd E, then East on "E" to the site.

Watch for auction signs.



Logging Equipment, Semi Tractors, Trailers, Pickup Trucks, Shop Equipment

 <http://www.nolansales.com>  715.754.5221

Northeastern Loggers Assn.

2014 Vermont Expo; May 9-10, 2014
Champlain Valley Exposition
Essex Junction, Vermont

Visit our region's best Expo for the hardworking folks in the wood business – loggers and land clearers, tree care professionals and firewood dealers, sawmillers, truckers, and land owners. Hundreds of exhibitors will be at the Champlain Valley Exposition to display the products, tools, and equipment that make hard work more productive and more profitable.

 <http://www.northernlogger.com>  800.318.7561

Olofsfors

The value of 'tried and true,' is what you get with our strong range of professional sawbars. The competitive edge for the harvester operator, isn't just our 30 years of design, manufacturing and global distribution, it's the strength of Swedish steel and your know-how.

 <http://www.olofsfors.com>  info@olofsfors.com  519.754.2190

Oregon Cutting Systems

Replaceable Sprocket Nose for Oregon .404" Solid Harvester Bars

Easy to replace Extends to useable life of bar Available on Oregon Jet-Fit bars

 <http://www.oregonproducts.com>  503.653.8881




Oregon Logging Conference

Logging, Construction, Trucking & Heavy Equipment Expo featuring large outside and inside equipment exhibits.

 <http://www.oregonloggingconference.com>  541.686.9191

PEDNO



PEDNO has been on the logging and construction market for over fifteen years. We specialize in manufacturing traction and protection chains, forwarder tracks, excavator and loader attachments and heavy equipment modification and repairs.

 <http://www.pedno.com>  pedno@pedno.com  418-678-1506

Peterson Pacific

For 30 years, Peterson chippers have led the way.

Clean Chips. Microchips. Biomass. Land Clearing

 <http://www.petersoncorp.com>  800.269.6520

Pitts Trailers

You're ahead with a Pitts behind.

 <http://www.pittstrailers.com>  800.321.8073


Ponsse North America

Ponsse North America distribution network is developing rapidly due to our growing customer base. Ponsse Plc specializes in the sales, production, maintenance and technology of cut-to-length forest machines. Our factory develops and manufactures innovative harvesting solutions that follow the principles of sustainable development and are based on customer needs for the cut-to-length method.

 <http://www.ponsse.com>  715.369.4833

Price Companies

We haven't discovered any new worlds, but we have pioneered and proven a new concept for this one.

 870.367.9751


Prolenc Manufacturing

Get superior attachment control from the Industry Leader of Heavy Duty Swing Brakes for Harvesters, Forwarders, Skidders and Loading Grapples.

 877-563-8899
 <http://www.prolenc.com>



Rayco Manufacturing

RAYCO Manufacturing, Inc. was established in 1978 by John M. Bowling and remains a family business today. Mr. Bowling identified the special needs of the tree and landscape industry and began to build equipment to meet and surpass those needs.

 <http://www.raycomfg.com>  800.392.2686




Risley Equipment

At Risley, we develop and manufacture innovative products and technology as we strive to be the worldwide leader in our industry. Profitability for our customers means profitability for us. Our success will always be dependent on their success.

 <http://www.risleyequipment.com>  886.783.7243

Rotobec USA

Tough Handling Equipment

 <http://www.rotobec.com>  rotobec@rotobec.com  855.768.6232

Rotobec West

Rotobec designs, manufactures and markets materials handling equipment using hydraulic rotation system technology that enables users to optimize their operations. Rotators, grapples and loaders are truly at the heart of the company.

 <http://www.rotobec.com>  250.765.1161




Ryan's Equipment

DS-28

Great for general logging, pulp production, thinning, right of way clearing and more!

Runs on auxiliary or standard bucket hydraulics.

36" bar with 3/4 pitch chain; cuts a 28" tree in a single cut; cuts up to 35" with multiple cuts

 <http://www.ryansequip.com>  info@ryansequip.com  517.427.2829

Seppi M


Forestry Mulchers, Shredders, Stump Grinders, Soil Tillers

 <http://www.seppi.com>  usa@seppi.com  218.461.4747

Southeastern Wood Producers



Friday – Saturday June 6-7, 2014 Jekyll Island Convention Center, Jekyll Island, Georgia

Logging Vendors/Equipment; Spotlight On Transportation; Recreational Vendors

 <http://www.sewpa.com>  904.845.7133




Southstar Equipment

The Multi-Stemming QS600 is the Fastest and Most Productive Processor in it's Size Class!

 <http://www.southstarequipment.com>  250.828.7820



Stephen Passy & Associates

Stephen Passy & Associates is a FULL SERVICE auction company. We also provide expert appraisal services. OUR EXPERIENCE IS YOUR GUARANTEE!

 <http://www.passyauctions.com>  s.passy@sbcglobal.net  424.204.9760



Stihl

For the toughest part of your job, you need the toughest components made. All STIHL Harvester Saw Chain parts have been reinforce, meaning up to 70% longer life than conventional 2.0 mm (.080") gauge chains, maximizing cutting performance with high wear resistance and durability.

 <http://stihlusa.com>  757.486.9100

Taimi Hydraulics

The toughest swivel on the market.

 <http://www.taimi.ca>  418.686.6868



Tajfun Planina

Firewood Processors

RCA 320-2, RCA 380, RCA 400 JOY

Logging Winches:



EGV 35A-85A, EGV 45 AHK-105 AHK, DGV 2x55 AHK

 <http://www.tajfun.com>  +386.3.746.44.27

Terex Environmental Equipment



Providing solutions for the Recycling, Tree Care, Forestry & Biomass, Sawmill, Municipal & Rental Industries. Innovative machines, manufactured for efficient production, low operational costs and ease of maintenance.

Horizontal Grinders; Recycling Screens; Whole Tree Biomass Chippers; Material Handlers; Arborist Chippers; Stump Grinders; Compact Track Loaders; Trommels; Low Speed Shredders

 <http://www.terex.com/environmental-equipment>  989.588.4295




Thunder Creek Equipment

Thunder Creek Equipment fuel and service trailers are loggers' job site service solution. With options for DEF delivery, parts and tool storage, split tanks, oil configurations and more, they'll keep your operation on the move.

 <http://www.thundercreekequipment.com>  866.511.7835

Tigercat Industries

The Tigercat 630E skidder has everything harvesting professionals have come to expect – the advanced electronic controlled hydrostatic drive system, the ergonomic, productivity-boosting Turnaround seat with incredible performance and pulling power. Best of all, the Tigercat FPT N67 194 kW (260 hp) Tier 4f engine meets Tier 4 final emission standards without all the complexities and is fully supported by Tigercat and the Tigercat dealer network.

 <http://www.tigercat.com>  comments@tigercat.com  519.753.2000

Timber 2013

June 7&8 Ag Progress Site. 9 miles SW of State College, PA

This year's show will feature:


Equipment, Services and Expertise for Harvesters and Processors	Indoor and Outdoor Exhibits
In-the-Woods and On Site Demonstration	Business Seminars
	PA SFI Training Credits for Loggers


 <http://agsci.psu.edu/timber>  PaTimberShow@psu.edu  814.863.2873


Tri-State Auction & Realty

We know and have worked with machinery in the forest products industry for the past 50 years. We strive to stay abreast of the ever-

changing products and technical advancements within the industry so that we can competently evaluate your machinery based on the facts.

 <http://www.tristate-auction.com>

 <mailto:auctions@tristate-auction.com>

 800.334.4395


US Blades

U.S. Blades chipper knives are built to last. Manufactured using the highest grade tool steel available on the market to exacting tolerances our knives are "Feared By Trees Everywhere". U.S. Blades is your single source supplier of high quality chipper knives and chipper parts with locations to serve throughout the Southern wood belt to the Northeast.

 <http://www.usblades.net>  800.862.4544

Vulcan On-Board Scales

We believe knowing your loaded truck weight is critical to your success. That is why we build on-board weighing systems that are accurate, simple to use and work in the harshest environments.

 <http://www.vulcanscales.com>  800.237.0022

Wallingford's




You now have a choice. Clark Tracks are now offered in the U.S. exclusively through Wallingford's Inc.

Wallingford's Inc. and Clark Tracks... Two big names in the forestry industry are teaming up to bring Clark Tracks to the U.S. market. Wallingford's Inc., the largest international wholesaler of tire chain, logging and industrial supplies in North America, has been meeting the market's demands with quality, innovative products since 1975. Clark Tracks has manufactured forest machine tracks for 25 years and currently supplies many of the world's largest forest machine manufacturers.

 <http://www.wallingfords.com>  info@wallingfords.com  800.323.3708



Waratah Forestry Attachments

Waratah 600 Series heads are all business, because we know, when you're working, you're earning. But our head do more than outwork and outlast the next best heads out there. They also deliver a remarkably low overall cost-to-run. And we don't play around when it comes to service and support either. When you put a Waratah head to work, the Waratah support team goes to work for you – getting you up and running and keeping you there. There's a 600 Series to fit you application and carrier. Invest in one and you'll see why serious loggers say Waratah is built to work. And work. And work.

 <http://www.waratah.net>  ed.mcdaid@us.waratah.net  770.692.0380

Western Star Trucks



You need someone to back you up out there. With Western Star, you'll have that someone. A dedicated dealer who is standing by with the products, parts and service to keep your business running strong. Kind of like your truck.

 <http://www.westernstartrucks.com>  313.592.4200

Western Trailer

All Western Trailers chip trailers are designed to be light weight, high strength to allow for the highest capacity possible.



From the woods to the highways Western Trailers ForceSteer Chip and High Cube Chip trailers can handle the job.

 <http://www.westerntrailer.com>  888.344.2539

White Mountain




The TRYGG brand name has been synonymous with quality and strength since 1939. You can depend on a TRYGG chain for vehicles serving the mining, oil, logging and trucking industries.



 <http://www.whitemountainchain.com>  800.439.9073



WMF 2012 China

As the development of forestry technology and equipment has become one of the significant concerns of the Chinese government, the forestry machinery manufacturing industry is now in the listed as a pillar for the advancement of the country's forestry industry.

 <http://www.modernforestry.com>  publicity@adsale.com.hk  (852) 2811-8897

Wood Doctor International

Built to industrial specifications for residential applications.

 logger@wooddoctor.com  877.770.8778

Testimonials

I have been in the woods logging since I was a teen. In the summer months, when school was out, I started helping haul 5 ft wood back in the day and I just grew up in the woods working for my brother in law until he had tractor trailers and 180 barko loader. I always as a kid wondered, where the timber would go when it left the woods and what it would become. But when I got older and learned the connections to logging, I discovered logging times and timber harvesting magazine. And learned all there is to want to know about the timber industry. Great Magazines!

— **Donnie McCrackin**, *Proud to be a southern logger!*

Resources

[Advertise](#)
[Client Upload](#)
[Machine Upkeep by SLT](#)
[Request Sales Rep](#)

Partners

[2015 InWoodsExpo](#)
[Bioenergy Conference & Expo](#)
[Mid-Atlantic Logging & Biomass Expo](#)
[Mid-South Forestry Equipment Show](#)
[Power Equipment Trade](#)
[Southern Loggin' Times](#)
[Timber Processing](#)
[Wood Bioenergy](#)

Contact Information

Timber Harvesting
 P.O. Box 2268
 Montgomery, AL 36102
 Tel: 800-669-5613
 Fax: 800-611-4525
 Fax: 334-834-4525
[Contact Form](#)

FOLLOW US >>

February 2015, Vol. 242, No. 2

PERFORMANCE AT WORK.**NOVEMBER 2013 AD INDEX**

November 2013, Vol. 240 No. 11 (November 2013-vol-240-no-11)



Advertisers from the print edition of *Pipeline & Gas Journal*, November 2013, Vol. 240, No. 11.

A&E Construction Supply
 ABB, Inc.
 abovegroundmarkers.com LLC,
www.abovegroundmarker.com
<http://www.abovegroundmarker.com>
 AGS, www.agsgps.com (<http://www.agsgps.com>)
 Air Logistics, www.airlog.com
<http://www.airlog.com>
 Airport Windsock Corp.
 Allan Edwards Companies,
www.allanedwards.com
<http://www.allanedwards.com>
 Alliance Pipeline Ltd.
 Anchor Pipe International, Inc.,

www.anchorpipe.com (<http://www.anchorpipe.com>)

AUMA Riester GmbH & Co. KG

Best PumpWorks, www.bestpumpworks.com (<http://www.bestpumpworks.com>)

Bishop Lifting Products, www.lifting.com (<http://www.lifting.com>)

BKW Inc., www.bkwinc.com (<http://www.bkwinc.com>)

Bredero Shaw

CBC Services, Inc., www.cbcpipeline.com (<http://www.cbcpipeline.com>)

Certified Safety

CGA 2014 Conference

Circor Energy Products

Clarion Technical Conferences, www.clarion.org (<http://www.clarion.org>)

Clock Spring Company, www.clockspring.com (<http://www.clockspring.com>)

Coastal Corrosion Control, www.coastalcorrosion.com (<http://www.coastalcorrosion.com>)

Commercial Resins, www.commercialresins.com (<http://www.commercialresins.com>)

Control Devices, Inc., www.pigging.com (<http://www.pigging.com>)

CPI Pipe & Steel, www.cpipe.com (<http://www.cpipe.com>)

CRC-Evans Pipeline International, www.crc-evans.com (<http://www.crc-evans.com>)

Cross Country Supply, www.ccpipeline.com (<http://www.ccpipeline.com>)

Darby Equipment Company

Davis Corporation, www.davcorpipeline.com (<http://www.davcorpipeline.com>)

Deepwater Corrosion Services, Inc., www.stoprust.com (<http://www.stoprust.com>)

Denso North America, www.densona.com (<http://www.densona.com>)

Diesel Power Plus, www.dieselpowerplus.net (<http://www.dieselpowerplus.net>)

Divicom, Inc.

DMI International

Drilltech, Inc.

Dualco, www.dualco-inc.com (<http://www.dualco-inc.com>)

Dyna Torque/Numax

EagleView Technologies, www.eagleview.com (<http://www.eagleview.com>)

Electrochemical Devices, Inc., www.edi-cp.com (<http://www.edi-cp.com>)

EMS USA, Inc., www.emsglobal.net (<http://www.emsglobal.net>)

Enduro Pipeline Services, www.enduropls.com (<http://www.enduropls.com>)

E-Z Line Pipe Support Co., Inc., www.ezline.com (<http://www.ezline.com>)

Gas Products, Inc., www.gpi-rsc.com (<http://www.gpi-rsc.com>)

GE Oil & Gas Surface Pumping Systems

Geo Corr, www.geocorr.com (<http://www.geocorr.com>)

GeoShack

Glas Mesh Company

Gulf Interstate Field Services, www.gie.com (<http://www.gie.com>)

Harding Directional Drilling, www.hardingdrilling.com (<http://www.hardingdrilling.com>)

Harsco-Air-X-Changers, www.harscoaxc.com (<http://www.harscoaxc.com>)

Heaman Pipe Bending, Inc., www.heaman.com (<http://www.heaman.com>)
 Heath Consultants Incorporated, www.heathus.com (<http://www.heathus.com>)
 Henkels & McCoy, Inc., www.henkels.com (<http://www.henkels.com>)
 HFP Acoustical Consultants Corp., www.hfpacoustical.com (<http://www.hfpacoustical.com>)
 Hold Tight Solutions, www.holdtight.com (<http://www.holdtight.com>)
 Horizontal Technology, Inc., www.horizontaltech.com (<http://www.horizontaltech.com>)
 I-Cubed
 Infrasource, www.quantaservices.com (<http://www.quantaservices.com>)
 IPLOCA, www.iploca.com (<http://www.iploca.com>)
 Kidd Pipeline & Specialties, Inc., www.kiddpipeline.com (<http://www.kiddpipeline.com>)
 Kiene Diesel
 KS Energy Services LLC, www.kseneryservices.com (<http://www.kseneryservices.com>)
 Lane Trailer Manufacturing Co., www.lanetrailers.com (<http://www.lanetrailers.com>)
 Laney Directional Drilling, www.laneydrilling.com (<http://www.laneydrilling.com>)
 LASEN, www.lasen.com (<http://www.lasen.com>)
 LB&A, Inc.
 Leak Detection Service, Inc., www.leakdetectionserviceinc.com (<http://www.leakdetectionserviceinc.com>)
 Lift Technologies, Inc., www.lifttechnologiesinc.com (<http://www.lifttechnologiesinc.com>)
 LS Industries, www.lsindustries.com (<http://www.lsindustries.com>)
 Master Bond, Inc., www.masterbond.com (<http://www.masterbond.com>)
 Mattracks, www.litefootatv.com (<http://www.litefootatv.com>)
 M-B-W Incorporated, www.soilpick.com (<http://www.soilpick.com>)
 Meridien Energy, LLC
 MESA, www.mesaproducts.com (<http://www.mesaproducts.com>)
 Meter Engineers, Inc., www.meterengineers.com (<http://www.meterengineers.com>)
 Microfinish Valves, Inc.
 Midwestern Manufacturing, www.sidebooms.com (<http://www.sidebooms.com>)
 Milbar Hydro-Test, Inc., www.milbarhydro-test.com (<http://www.milbarhydro-test.com>)
 Minnesota Limited, LLC, www.millierpipeline.com (<http://www.millierpipeline.com>)
 Miratech, www.miratechcorp.com (<http://www.miratechcorp.com>)
 NDT Systems & Services GmbH & Co. KG, www.ndt-global.com (<http://www.ndt-global.com>)
 Oilfield Manufacturers Warehouse, www.limmillersales.com (<http://www.limmillersales.com>)
 Outlaw Padding Company, www.outlawpadding.com (<http://www.outlawpadding.com>)
 Oz Directional Drilling, www.ozdirectionaldrilling.com (<http://www.ozdirectionaldrilling.com>)
 Ozzie's Pipeline Padder, Inc., www.ozzies.com (<http://www.ozzies.com>)
 PeBen USA, Inc., www.pebenusa.com (<http://www.pebenusa.com>)
 Pergam Technical Services
 Pigs Unlimited International, Inc., www.pigsunlimited.com (<http://www.pigsunlimited.com>)
 Pipeline Equipment, Inc., www.pipelineequipment.com (<http://www.pipelineequipment.com>)
 Pipeline Pigging Products, www.pipepigs.com (<http://www.pipepigs.com>)
 Pipeline Testing Consortium, www.pipelinetesting.com (<http://www.pipelinetesting.com>)
 PipeSak, Inc., www.pipesak.com (<http://www.pipesak.com>)
 Pipetech, Inc., www.pipetech.net (<http://www.pipetech.net>)
 Polyguard Products, Inc., www.polyguardproducts.com (<http://www.polyguardproducts.com>)
 Power Associates International, www.paiinc.com (<http://www.paiinc.com>)
 PPSA, www.piggingassnppsa.com (<http://www.piggingassnppsa.com>)
 Proline Pipe Equipment, Inc., www.prolinepipeequipment.com (<http://www.prolinepipeequipment.com>)
 Quorum Business Solutions, www.qbsol.com (<http://www.qbsol.com>)
 Reynolds French, www.r-f.com (<http://www.r-f.com>)
 Rig Source, www.rigsourceinc.com/www.terramac.com (<http://www.rigsourceinc.com>/<http://www.terramac.com>)
 Rock Guard
 Rosen Group, www.roseninspection.net (<http://www.roseninspection.net>)
 Rotork Controls, Inc.
 Safety Wrap Corp., www.safetywrapcorp.com (<http://www.safetywrapcorp.com>)
 Sawyer Manufacturing Co., www.sawyeremfg.com (<http://www.sawyeremfg.com>)
 Schneider/Telvent North America, www.telvent.com (<http://www.telvent.com>)
 SEC Energy Products & Services, www.sec-ep.com (<http://www.sec-ep.com>)
 Smart Pipe Company, Inc., www.smart-pipe.com (<http://www.smart-pipe.com>)
 Snelson Companies, www.snelsonco.com (<http://www.snelsonco.com>)
 SOCAP Srl, www.socapnet.it (<http://www.socapnet.it>)
 Steel Etc.
 Step-Ko Products, www.stepko.com (<http://www.stepko.com>)
 Stroud Diving & Hydrography, www.mesco-offshore.com (<http://www.mesco-offshore.com>)
 Structural Integrity Associates, www.structint.com (<http://www.structint.com>)
 T.D. Williamson, Inc., www.tdwilliamson.com (<http://www.tdwilliamson.com>)
 TEAM Industrial Services
 Tek Rock Trenching
 TMK IPSCO
 Topcon Positioning Systems, www.topcon.com (<http://www.topcon.com>)
 Triple D Bending, www.pipebending.com (<http://www.pipebending.com>)
 Troy Construction, Inc.
 TX, OK, KS Caterpillar Dealers
 U.S. Trencher & Supply, Inc.

U.S. Valve Services & Training, www.usvalveservices.com (<http://www.usvalveservices.com>)
Vacuworx Global, www.vacuworx.com (<http://www.vacuworx.com>)
Vermeer Corporation
Vitec, Inc., www.vitec-inc.com (<http://www.vitec-inc.com>)
Volvo Construction Equipment
Weamco/Metric, www.weamco.com (<http://www.weamco.com>)
Weldbend Corporation, www.weldbend.com (<http://www.weldbend.com>)
Wilcrest Field Services, Inc., www.wilcrest.com (<http://www.wilcrest.com>)
Wm. Riggs Co., Inc., www.flangespreader.com (<http://www.flangespreader.com>)

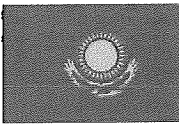
RELATED ARTICLES

February 2015 Ad Index Initial Caspian

([February-2015-ad-index](#))



Conference... ([Initial-](#)



January 2015 Digital

Edition ([January-2015-digital-](#)



January 2015 Ad Index

([January-2015-ad-index](#))



([February-2015-ad-index](#)) ([Initial-Caspian-conference](#)) ([January-2015-digital-Edition](#)) ([January-2015-ad-index](#))

Operations optimization

EXHIBIT Q

Zoeken: 

HOME HOME COMPANY BRANDS SUSTAINABILITY INNOVATION NEWS INVESTORS VISITORS CENTER CATERPILLAR-CARRIÈRES CATERPILLAR-CARRIÈRES TEST

News > To Be removed > Trade Shows & Events

Nederlands

Caterpillar in the News

Corporate Press Releases

Media Information

RSS Newsfeeds

To Be removed

- » Press Releases
- » Trade Shows & Events
- » TBR - Cat Machine & Engine Press Releases
- » Trade Shows & Events (Regional Trade Shows & Events)
- » Cat Magazine
- » Sustainability->Reman->Products
- » Electro-Motive (EMD)
- » MWM
- » Board of Directors
- » Officers
- » Wealdstone
- » U.S. Exports & Jobs
- » Investors (old)
- » Dealer Network
- » Cat Folks
- » Operations
- » NEXUS
- » Preparing the Next Generation
- » Caterpillar Chopper
- » Grant Information
- » FCC Equipment Financing
- » Lovat
- » Eurenov
- » Metrics
- » Engineers for Tomorrow

TRADE SHOWS & EVENTS

FEATURED TRADE SHOWS

2010 Green Industry Conference and GIE+Expo

October 28 - 30, 2010, Louisville, KY

If you're already a Cat customer, you know there's a difference. If not, this is your chance to find out. Come see us at the 2010 Green Industry Conference and GIE+Expo, and discover the Caterpillar difference for yourself.

» Learn More

Upcoming Shows & Events

» Snow & Ice Management Association (SIMA) Symposium, Providence, RI

» World Workplace Conference and Expo, Atlanta, GA

» 7x24 Change International Fall Conference, Phoenix, AZ

» Expo Richmond, Richmond, VA

» WasteCon, Boston, MA

» Rocky Mountain Fleet Management Association (RMFMA), Colorado Springs, CO

» American Public Works Association (APWA), Boston, MA

» Federation of Canadian Municipalities (FCM), Toronto, Canada

» 7x24 Change International Spring Conference, Boca Raton, FL

» Green Industries Expo, Louisville, KY

» National Institute of Government Purchasers (NIGP), San Antonio, TX

» National Motor Vehicle and Aviation Workshops and Exposition (FedFleet), Chicago, IL



RSS NEWSFEEDS

Subscribe to our newsfeeds and get up-to-the-minute news.

» Meer informatie

MEDIA INFORMATION

For members of the media, we offer the following resources and contact information.

» Meer informatie

VERWANTE KOPPELINGEN

- » Product News & Events
- » Offices & Facilities
- » Year in Review
- » Sustainability Report
- » Leadership
- » Sponsorships

Our Company

Caterpillar is the world's leading manufacturer of construction and mining equipment, diesel and natural gas engines, industrial gas turbines and diesel-electric locomotives.

Company

- » Careers
- » Financial Information
- » Global Footprint
- » Global Issues
- » History
- » Social Media
- » Strategy

News

- » Caterpillar In The News
- » Corporate Press Releases
- » Media Information
- » RSS Feeds
- » 2012 Sustainability Report
- » 2012 Year in Review

Visitors Center

- » Plan Your Visit
- » Special Events

Our Brands

Caterpillar Inc. owns a complex portfolio of brands whose roles and relationships support the growth to achieve our enterprise goals.

» Learn More





March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

CONEXPO-CON/AGG 2014 Exhibitor List – Updated January 10, 2014

(Turbo Teeth) Ningbo Huizheng Special Steel Co., Ltd.	Aggregate Equipment Sales
.build	Aggregate Machinery Inc
2-D As-Built Floor Plans	Aggregates and Mining Today
360 Technologies	Aggregates Equipment
4N Corporation	Aggregates Manager
A & A Manufacturing	AGL Construction Lasers & Machine Control Systems
A1A Software	AGL Manufacturing Ltd.
A2K Technologies	AIA Contract Documents
AARC Environmental Inc	AILI CASTING CO.,LTD
AB Bruzaholms Bruk	Air Comm Radio
ABL Lights Group	Air1 by Yara North America
About Time Technologies	AirBoss Engineered Products Inc.
Access Construction Equipment	Airo Industries
ACE Group LLC	Airplaco Equipment Co
Ace Torwel Inc.	Airstar America
ACE-CO - A Libra Systems Company	Air-Weigh
Acme Specialty Manufacturing Company	Ajax Tool Works Inc
Acme United Corporation	AJIN KSB CO., LTD.
Actech Inc.	AKG of America, Inc.
ACTech North America, Inc	Akron Brass Company
Actek Manufacturing & Engineering Incorporated	Alar Water Recycling Systems
Actia Corp.	Alaska Structures
Action Equipment Company Inc	Albarrie Environmental Services Ltd.
Actus Manufacturing	Alemite
ADB - Hoist Rings Mfg.	Align Production Systems
Advanced Detection Systems	Alkota Cleaning Systems, Inc.
Advanced Drainage Systems, Inc.	Allegheny Trailer / Henry&Wright Corporation
Advant-Edge Paving Equipment	Allen Engineering Corporation
AFA Industries	Alliance Tire Americas, Inc.
AFTEC, LLC.	Allied Construction Products LLC
AGG1	Allied Power Products Inc
AggFlow / BedRock Software LLC	Allied-Gator Inc



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Allied-Locke Industries	AMI Attachments Inc.
Allison Transmission, Inc.	Ammann America, Inc / The Ammann Group
Allmand Bros Inc	AMOG srl
Allmineral LLC	Amphenol Sine Systems
ALLU Group Inc	Amphibious Medics
ALmix/Asphalt Equipment Company Inc	AMS - Merlo
Alpha Tecnología en Aceros S.A. de C.V.	Amsoil - Direct Jobber
Alpine Equipment	Amsted Maxion
Alps Wire Rope Corporation	Anaconda Equipment International
Altec	Anaconda USA
Alturnamats Inc	Anchor36 Trucking & Logistics & Paratus-Ilc
Am Cast Inc.,	Anderson Trucking Service, Inc.
AMA USA Inc	ANHUI H-POWER MACHINERY CO.,LTD
Amber Valley LLP	ANMOPyC
Americ Machinery Corporation	Antraquip Corporation
American Augers/Trencor	AO Parts USA
American Concrete Pavement Association	AP Air, Inc.
American Concrete Pumping Association	Apile Foundation Equipment Co., Ltd.
American Cooling Systems LLC	Applied Industrial Technologies
American Crane & Tractor Parts Inc	Aqua Blast Corporation
American Eagle Accessories Group	Archer Company USA, Inc d.b.a. Dexpan USA
American Eagle Manufacturing LLC	Arcomet7
American Express Open	ARI-HETRA
American Foundry Society Inc	Arrow Machinery
American Honda Motor Co Inc	Arrowhead Rockdrill Company Inc
American Hydraulic Compressor, a division of Fast Fusion	Arrow-Magnolia International
American Institute of Steel Construction	Arsenault Associates
American Marsh Pumps	ASA/Voyager Camera Systems
American Piledriving Equipment Inc	Ascorel USA
American Road & Transportation Builders Association	ASGCO "Complete Conveyor Solutions"
American Traffic Safety Services Association	Ashland Earthmovers Inc.
AmeriPride	Ashtree Vision & Safety Ltd
Ames Engineering Inc	ASME
Ametek Vehicular Instrumentation Systems	Aspen Custom Trailers



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Asphalt Burner Services	AxleTech International
Asphalt Contractor	AZFAB
Asphalt Drum Mixers Inc	B2W Software
Asphalt Institute	B3C Fuel Solutions LLC
Asphalt Pro Magazine	Bad Dog Tools
Asphalt Reheat Systems LLC	Badger Equipment Company
Asphalt Zipper Inc	Bagela USA/Pavement Recyclers
Associated Construction Publications	Bailey & Glasser
Associated General Contractors of America	Bair Products Inc
Associated Technologies Weld Mount	Baldor Electric Company
Associated Wire Rope & Rigging	Baldwin Filters
Association of Equipment Management Professionals	Ballantine
Association of Equipment Manufacturers - Safety Materials	Bandit Industries Inc
Association of Equipment Manufacturers (AEM)	Bar None Auction
Astec Inc.	Barrier Systems LLC
Astec Industries Inc	BASF Corporation
Astec Mobile Screens	Bateman Manufacturing
A-Systems Corporation	BAUER Maschinen GmbH
Atlantic Braids	BAUER-Pileco Inc
Atlas Copco	bauma, bauma China, bC India, bauma Africa
Atlas Maschinen GmbH	Bay Shore Systems Inc
ATP Industries Group Ltd.	bC India
ATS-USA, LLC	BCT Benefits
Attachment Service Centers	BDS Engineering Group
Auctiontime.com	BearCat Manufacturing Inc
Auger Torque	Beasley Forest Products
AUSA	Beck Industrial
Autec Safety Remote Control	Bedford Technology, LLC
Auto Crane Company	Be-Ge Industri AB
Autodesk Inc	BEI Sensors
Auto-Jet Muffler Corporation	Beijer Electronics
Autox Co., Ltd.	Beijing Motion Road Construction Machinery Co., Ltd.
AWTI- 3rd Eye MobileVision	Beijing Xindali International Advertisement Media Co., Ltd.
Axis Parts, LLC	Beka Max of America Inc.

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Bell Equipment Company

Belt Tech Industrial

Belt-Way Scales Inc

Bemis Mfg.

Benchmark Estimating Software

Benjamin Media Inc

Bentley Systems Incorporated

Berco of America Inc

Beretta Alfredo SRL

Berg Manufacturing Inc

Bergkamp Inc

Bergstrom Inc

Birmingham Foundation Solutions

Best Hammer Industries

Better Roads

BHS-Sonthofen

BIC

BICES 2015 - 13th Beijing International Construction Machinery Exhibition and Seminar

Big Astor srl

Big C: Dino - Lite Scopes

Big Iron Online Auction

Big Top Mfg.

Bijur Delimon International

BIM9

Bindicator/Kistler-Morse

BJM Pumps

BKT Tires

Black Cat Blades Ltd

Blacklidge Emulsions Inc

Blaklader

Blasters, Inc

BLS Enterprises Inc

Blue Hat Hoisting

Blue Sky DEF

Blumaq S.A.

BMH Systems

BN Products - USA

Bobcat

Boerger, LLC

BOMAG Americas Inc

Bondioli & Pavesi, Inc.

Bonsal American

Boo Kwang Best Chemical Technic Co., Ltd

Bore Repair Systems Inc

BorgWarner

Bostrom Company, H.O.

Bowers Transmissions, Converters & Axles

Braden Carco, a PACCAR company

Brandt Equipment Solutions, Ltd.

Breaker Technology Consolidated

Brelko Conveyor Products, Inc

Brenntag

Brevini USA

Bridgestone Americas Tire Operations, LLC, Bridgestone Commercial Solutions

Bridgewell Mats

Bridon International

Brigade Electronics Inc

Britax PMG Limited

BRITESPAN Building Systems

Broadwind Energy

Broce Manufacturing Company Inc

Broderson Manufacturing Corporation

Brofil Clean Air Solutions

Brokk Inc

Bruce Engineering Services (NI) LTD.

Brunner & Lay

Brutus Truck Bodies/Next Hydraulics S.R.L.

BSM Wireless Inc.

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA

Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060

info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

BSP International Foundations Ltd

B-TEK Scales LLC

Buffalo Road Imports LLC

Buffalo Turbine

Buffalo Wire Works Co., Inc.

Bulk Handling Systems (BHS)

Bulldog Hydraulics & Gaskets

Business Through Government

BWF Envirotec

BYG

C & DR/ Recycling Today

C & W Manufacturing & Sales Inc

C&D World

C&OH Corp

C.E. Niehoff & Co.

C.U.E., Inc.

Cabat Inc

Cabela's Corporate Outfitter

Calculated Industries

Caldaro Inc.

Caldwell Group (The)

Cambric

Camoplast Solideal

CAN in Automation

Cangini Benne SRL

Canycom USA Inc

Cardinal Scale Mfg. Co.

Cargotec USA - Hiab

Carhartt Workwear at Rugged Outfitters

Carling Technologies

Carlson Paving Products Inc

Carlson Software

CARMIX

Carraro Drive Tech Spa

Carrier Vibrating Equipment, Inc.

Casagrande USA

Cascade Corporation/American Compaction/PSM

Case Construction

Case Construction Equipment

Case IH

Caseco Manufacturing

Castrol Heavy Duty Lubricants

Caterpillar Inc

Caterpillar OEM Solutions

Caterpillar Product Support Solutions

Cavotec Inc

CDC/ NIOSH-OMSHR

CDE Global

CDE Global Limited

CEC

CEI Enterprises, Inc.

CEJN Industrial Corporation

CEMCO Inc

Cemco Inc Concrete Batch Plant

Cement Americas

CemenTech Inc

CENTA Corporation

Center Rock Inc

Central Turbos Corp

CEP International Ltd.

Cerda Industries Inc.

Cessna Aircraft Company

Chalmers Suspensions Int'l

Chang Shin International Co Ltd

Changshu Keenly Tools Imp. & Exp. Co., Ltd.

Changzhou Cronos Special Bearings Manufacture Co., Ltd.

Changzhou Haobang Automobile Spare Parts Co., Ltd.

Chapel Steel Corp.

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA

Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060

info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Check Corporation	COBO International
Checkers Industrial Safety Products Inc	COBRA America LLC
Chemgrout Inc	COINS
ChemStation International, Inc.	Colli Drill Spa
Chevron Lubricants	Columbia Machine
Chicago Pneumatic	Columbia ParCar Corp
Chief Buildings	Columbia Steel Casting Co Inc
China Chamber of Commerce for Import & Export of Machinery & Electronic Products	Combi-Wear Parts Inc
China Construction Machinery Association	Comdata
China Construction Machinery Association Information Committee	Comesys Ltd.
Branch	Cometto Industrie SPA
China National Building Materials and Equipment Corp	Command Alkon
China Pacific Carbide Inc	Commercial Vehicle Group, Inc.
CHTC Jove Heavy Industry Co., Ltd.	Company Wrench
CIMLINE Inc	compliance GO
Circle R by Thurston Mfg Co	Composting News
CIT	Compression Leasing Services, Inc.
CITGO Petroleum Corporation	Computer Guidance Corporation
Clark Testing	CON X EQUIPMENT INC.
Classification and Flotation Systems, Inc.	Concentric International
Clean Air Fleet	Concrete Contractor
Clean Burn, LLC	Concrete Products
Clean Energy	CON-E-CO
Clean Seal Inc	Coneqtec-Universal, BIC
Cleanfix North America Ltd.	CONEXPO Latin America
ClearSpan Fabric Structures	CONEXPO Russia
Clearwater Industries	Conflow Inc
Cleveland Hardware	Conn-Weld Industries, Inc.
ClickSafety	ConsensusDOCS
Climax Portable Machining & Welding Systems	Construccion Pan Americana
CME Blasting & Mining Equip Ltd	Construction & Demolition Recycling Association
CMI Roadbuilding Inc.	Construction Business Owner
CMiC	Construction Equipment Association - CEA
Coal Age	Construction Equipment Events Ltd

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Construction Equipment Guide
Construction Equipment Magazine
Construction Financial Management Association
Construction Forms Inc
Con-Tech Manufacturing Inc
Con-Tech Systems Ltd
Continental Biomass Industries Inc
Continental Conveyor (See Joy Global)
Continental Tire the Americas, LLC
ContiTech North America, Inc.
Contractors Equipment Directory
Contractors Hot Line
Conveyor Components Company
ConveyWeigh, LLC
Convoy Technologies
Cooper B-Line
Cope Plastics, Inc
Cormidi USA
Cornell Forge
Cornell Pump Company
Corporate Pool & Spa LLC
Cosben SRL
Costex Tractor Parts
Cote-L Industries Inc
Coxreels
Crafco Inc
Craig Manufacturing Ltd
Cramaro Tarps
Crane & Hoist Canada
Crane and Rigging Hotline
Crane Institute Certification
Crane Institute of America
Crane Operator Rodeo
Cranes Today Magazine

Cranesmart Systems Inc
Creative Information Systems
Crenlo Cab Products
Crisp Industries, Inc
CRM Construzioni Romane Macchine SRL
Crusher Wear Parts
CS Unitec
CSB Bearing Technologies Co., Ltd.
Cuda Tools
Cues
Cummins Inc
Currie Enterprises
Curry Supply Co.
Custom Dredge Works Inc
Custom Equipment
Custom Products of Litchfield Inc
CWS Industries Ltd
Cyclonaire Corporation
Cypher Environmental Ltd.
CZM Foundation Equipment
D & A Heavy Industries Co Ltd
D & H Equipment Ltd
D-A Lubricant Company
Daedong Engineering
Daehan Heavy Industry
Daekeum Geowell Co., Ltd.
Daemo Engineering Ltd
Daeyang Rollent Co., Ltd.
Daigh Company Inc
Dalian Handa Bearing Co., Ltd.
Dalian Track Imp&Exp Co., Ltd.
Dallai Ernesto Srl
Dalmine S.p.A.
Dalton Industries

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

D'Amico Editora Ltda	Digga
Dam-it Dams	Dings Company Magnetic Group
Dan Shi Go Parts Inc.	Dispatching Solutions, Inc
Dana Holding Corporation	DISTek Integration Inc
Dantal Hydraulics Pvt. Ltd.	Distribution Contractors Association
Dassault Systemes Americas Corp	Ditch Witch
Datatag ID Ltd	Dixie Electric LTD
Dave White's SitePro	Dodge
Davey Drill	Dogwood Industries
Davis Colors	Doka
Dawg Pound Tires (East Bay Tire Co.)	Dometic
Daycab Co.	Dominion Commercial (Equipment Trader) CWS
Dayton Superior	Donaldson Company Inc
Dazhong Machine Manufacturing Co., Ltd.	Doncasters Fastening Systems
Deister Machine Company Inc	Doofer Inc.
Delphi	Doosan Infracore Construction Equipment
DeltaTech Controls	Doosan Infracore Engine
Denis Cimaf Inc	Doosan Portable Power
Dernaseer Engineering Ltd	Doppstadt US
Derrick Corporation	Doral Equipment Rentals
DESCH Canada Ltd.	Double Coin Tire / CMA LLC
Deslauriers	Douglas Manufacturing Co., Inc
Deutz Corporation	DPL Telematics
DewEze Mfg.	Draco Spring Mfg Co Inc
Dexter & Chaney	Dragon Products Ltd
DFI Solutions In Print	Dressta
DHS Diecast Collectables Inc	Drill King International
Diamond Blade Warehouse	DrillingWorld
Diamond Speed Products	DRM Diversafab Corp.
Diamond Z / Rule Steel	Dromone Engineering LTD
DICA	Drumcutters, Inc
Dieci North America	DSC Dredge LLC
Diesel Air Filter Cleaner	DSI Underground Systems
Diesel Parts of America	D-Tec B.V.



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Ductile Iron Society	Elgin Sweeper Company
DuraTech Industries	Elliott Equipment Company
Dura-Tuff Wear Products	elobau sensor technology, Inc.
Dust Control Technology	eMars, Inc.
Dynapac - Part of Atlas Copco Group	Emerson Industrial Automation
Dynaset Oy	EnergyLogic
Dyno Nobel Inc	ENERPAC
E.D. Etnyre & Co.	engcon Holding AB
Eagle & Son LLC	Enginaire Inc
Eagle Crusher Company Inc	Engineering News-Record
Eagle Iron Works	Enterprising Europa Inc.
Eartec Co, Inc.	Envirochute Systems Inc.
Earth Moving Parts LLC	Enviro-Port Inc
EarthCam, Inc.	EPAY Systems, Inc.
EASI-POUR	Epic Polymer
East West Machinery Exporting, Inc.	Equify Financial, LLC
Eastern Driller Manufacturing Company, Inc.	Equipment Corporation of America
Eaton - Roadranger	Equipment Parts Wholesale
EB Parts Center (EBP)	Equipment Today
EBC Industries	Equipment World
eCamSecure	ErectaStep, LLC
ECCO Group	Erie Strayer Company
Eco-Flex / Champagne Edition Inc.	Eriez
Edge Innovate	ERMA-RTMO Spa
EDGE Innovate Ltd	ESAB Welding and Cutting Products
Edifica Expo Hormigon	ESCO Corporation
Editorial Espacios Dinamicos, SA	ESCO Industries Inc
EFCO Corp	ESD Waste2Water, Inc.
Efficiency Production Inc	Eskridge
Electrex Inc	Espar Inc
Electronic Design, Inc.	ESW Group
Electroswitch	Euclid Chemical Company (The)
Element Six	Eureka Chemical
Elementos para Traccion y Excavacion S.A. (ETESA)	Europe Tractor Parts

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Eve Business Group	FC Background
Eve Group	Featherlite Trailers
Evercup Metals Co., Ltd	Fecon Inc
EverLast Lighting, Inc.	Federal Mogul Corporation
Everpads, Inc.	Federal Process Corporation
Evonik Oil Additives	Federal Signal
ExakTime Innovations, Inc.	Federal Signal Environmental Solutions Group
Excel Foundry & Machine	Feel Industrial Engineering Co., Ltd.
Exco Inc.	Fein Power Tools
Expander Americas Inc	Femco
Expert Parts	Femco Drain Solutions
Explorer Software	Fenner Dunlop Engineered Conveyor Solutions
Express Blower, Inc./Finn Corporation	Ferry Cap & Set Screw Co.
Extreme Outback Products	FES (China) Ltd
Extrutech Plastics, Inc.	Fibre-Metal/Honeywell
Eye Trax, Inc	FieldLens
E-Z Drill Inc	FilterMag
EZ Scaffold	Fisher Industries
EZ Street Company (The)	FiveCubits
Ezystak Conveyors	Flambeau Fluid Systems
F&M Mafco, Inc.	Flaming River Industries, Inc./FRI Exhibits, Inc.
FABCO Automotive Corporation	Flexco
Fabco Power	Flexsweep Industries
Fabpro Performance Fibers	Flexxaire Inc.
FAE Group S.p.A.	Flint Hydraulics Inc
Fairbanks Scales	Flip Screen Australia Pty Ltd
Faria Performance Instruments	FMC Technologies
Faro Technologies Inc	Foothills Steel Foundry Ltd
Fassi Articulating Cranes	ForConstructionPros.com
Fast Fusion LLC	Ford Commercial Truck
Faster Inc.	Ford Steel Co.
FastMeasures By KTP Enterprises Inc	Foremost Industries
Fast-Way/Ideal Manufacturing	ForgeFX Simulators
Faymonville Distribution AG	Forging Industry Association

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Formtek, Inc.	Geoprobe Systems
FORTA Corporation – Asphalt Division	Georg Fischer Central Plastics
FORTA Corporation – Concrete Division	GeoShack
Foundation Software Inc	GeoSonics/Vibra-Tech
Fox Valley Forge	Geroquip Inc/Magic Screed
FPT Industrial	Getz Recycling Equipment LLC
Frakes Heavy Equipment Parts	GFC Drives
Freightliner Trucks	GHM Transmission GmbH
Freightmonster.com	Giant Hydraulic Tech Co., Ltd., Anhui
Friction Marketing Co Ltd	GIGAVAC
Fritz-Pak Corporation	Gilson Company Inc
Frumecar Mexico	GivenHansco Inc
FSX Equipment Inc.	GKD Technik Ltd
Fuel Force Multiforce Systems	GKN Land Systems
Fujian Quanzhou Huasheng Machinery Equipment Co., Ltd	GKS Lifting and Moving Solutions, LLC
Fujian Tongyong Good&Materials Imp.&Exp. Co., Ltd.	Global Finishing Solutions
Furukawa Rock Drill, USA	Global Pump/Mersino Dewatering
FW Murphy	Global Track Warehouse - USA Inc
G&D Integrated	Globe Trailers
G.E. Mathis	GM Fleet and Commercial
Galizia s.n.c.	GME
Gardner Denver Inc	Gold Peak Engineering Spring (Wuxi) Co., Ltd.
Gate7 Ltd	Goldhofer Aktiengesellschaft
Gateway Safety	Golight Inc
Gator Machinery Company	GOMACO Corporation
Geda USA, LLC	Goodman-Hewitt Conveyors & Components (See Joy Global)
GEFCO	Goodyear Tire & Rubber Company
Gehl Company	Gorilla Hydraulic Breakers
Geltech Solutions	Gorman-Rupp Company (The)
General Kinematics Corporation	GPI-Great Plains Industries Inc
Generation 2 Filtration	GPS Insight
Genesis Attachments	GPS Mobile Solutions
Gensco Equipment	Graco Inc
Geometric Limited	Gradall Industries, Inc.



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Grading and Excavation Contractor Magazine

Grammer Inc

GRAPHISOFT

Grasan

Grayhill

Great Lakes Equipment Company

GreatAmerica Financial Service Corp.

Grede Holdings LLC

Green Bay Drop Forge

GreenPatch by Cold Mix Mfg. Corp.

Greentree Transportation Company/ Innovative Heavy Haul

Greentree/TR Beck Heavy Haul

GreyStone Inc

Griffin Pump & Equipment Inc

Grinder Crusher Screen, Inc.

Grinder Wear Parts & Apollo Equipment

Grindex Pumps

Groeneveld USA Inc

Grote Industries

Groundmats

Grupo Constructivo

GSSI

GTC North America, Inc.

Guangzhou Conva (Hongkong) Machinery Parts Co., Ltd.

Guangzhou Zhao Qi Trading Co., Ltd.

Gunnebo Johnson Corporation

Guntert & Zimmerman Const. Div., Inc.

GVM Inc

Haag Engineering

Haltec Corporation

HAMMEL New York, LLC

Hammer & Steel, Inc.

HammerHead Trenchless Equipment

Hammeroc Corporation

Han Kook Multi Line Co., Ltd.

Handheld

HANDOK HYDRAULIC

Hangzhou Dongjiang Friction Materials Co., Ltd.

Hangzhou Henli Friction Material Co., Ltd.

Hangzhou Shengchi Machinery Co., Ltd.

Hangzhou Vika Vibrators Co., Ltd.

Hangzhou Xiaoshan Hongqi Friction Material Co., Ltd.

Hannay Reels Inc

Hansung Special Machinery Co., Ltd.

Hard Dollar Corporation

Hard Hat News

HardSteel, Inc.

Harrington Hoists, Inc.

HARTL Engineering & Marketing GmbH

Hatz Diesel of America Inc

Hauck Manufacturing Company

Haulotte Group

Hazemag USA Inc

HBC-radiomatic Inc

HCSS

Headwaters Resources, Inc.

Heat Design Equipment Inc

Heatec, Inc.

Hebei Oriental Industry Co., Ltd.

Hebei Zhongmei Special Rubber Product Co., Ltd.

Hebonilube Pte.Ltd.

HEIN, LEHMANN US, LLC

Helac Corporation

Hella, Inc.

Hemisphere GPS

Henan USA

Hendrickson

Henkel Corporation

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA

Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060

info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Hennessy International Inc.	Hutchinson
Hensley Industries Inc	Hyco Heavyparts
Hercules Machinery Corp	Hydra-Tech Pumps
Hetronic	Hydraulic Breaker Services LLC
Heungkuk Metaltech Co., Ltd.	Hydraulic Power Systems Inc
Hidromek	Hydraulic Technology Co., Ltd., Qingdao Lean Chungwei
Highland Safety Systems	HydraulicCircuit Technology, Inc.
Highway Care USA	Hydrema U.S. Inc.
Hill Engineering Ltd	Hydro Engineering Inc
Hilti Inc	Hydro Mobile Inc
Hino Truck Sales U.S.A., Inc.	Hydronix Ltd
HIPOWER SYSTEMS	Hydro-Ram
Hirschmann Automation and Control (PAT)	Hypertherm Inc
Historical Construction Equipment Association	Hytorc, Division of Unex Corp.
HITACHI Construction Machinery Company	Hyundai Construction Equipment
HKX	I Make America
HMI Trailers (Hawkes Mfg Inc)	ICE - International Construction Equipment, Inc.
Hoist Liftertruck Mfg., Inc.	ICM Heavy Industries Co., Ltd
HoistCam - Crane Tech Solutions	ICS Blount, Inc.
Holcim (US) Inc.	ICUEE
Holcombe Mixer	Ikusi - Cervis
Honda Power Equipment	ILERI Mechanics Ltd
Honeywell Safety Products	ILLUMAGEAR Inc.
Hongwing Heavy Industry Co., Ltd.	Illumiti
HookCam	IMDER TURKEY Construction Equipment Distributors & Manufacturers Association
Horton Inc	IMETRIX, A Division of Infologistics, Inc.
Hougen Manufacturing Inc	IMI Sensors
Houston International Insurance Group - HIIG Construction	IMSI/Design
Howard Leight/Honeywell	Inan Makina A.S.
Humboldt Mfg Co	Indeco North America
Humdinger/ Tana North America	Independence Tube Corporation
Hunan Kingcera Engineering Co., Ltd.	Independent Parts & Service
Hunan Osaint Heavy Industries Co., Ltd.	Indexator Inc
Husky Equipment Inc.	Indian Construction Equipment Manufacturers Association



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Indiana Phoenix Inc
Industrial Hygiene News/Rimbach Publishing Inc
Industrial Lift and Hoist
Industrial Matting, LLC
Industrial Seats, A Division of United Group, Inc.
Infinity Tool Mfg.
Infotech Enterprises
Insero Equipment
Insight Mobile Data, Inc.
Insite Software Inc.
Intec Video Systems Inc
InterClean Equipment Inc
Intercomp
Intermat 2015
International Communication by Design
International Equipment Solutions (IES)
International Equipment Solutions, LLC (IES)
International Powered Access Federation (IPAF)
International Society of Explosives Engineers
International Truck
International Union of Operating Engineers
Interpart
Interstate Trailers Inc
Interstate-McBee
Intersystems
Intertractor America Corporation
Invarion
Iowa Mold Tooling Company Inc (IMT)
IPD
Iridium Communications, Inc.
IROCK Crushers, LLC
IronPlanet
ISC / Impact Service Corporation
ISCO Industries

iSqFt
Isringhausen Inc
Isspro Inc
Isuzu Motors America LLC
Italvibras USA, Inc
ITC SA
J J Kane Auctioneers
Jack Doheny Companies Inc.
Jantsa Wheel Industry
JCB Drivetrain Systems Ltd./ JCB Power Systems Ltd.
JCB Inc
JDA Global LLC
JDH Pacific, Inc.
Jean Lutz SA
Jeffrey Rader, a brand of TerraSource Global
JEKKO Minicranes
Jennmar
Jet Materials Ltd
Jetstream of Houston
Jewell Attachments LLC
Jiangsu Shenxi Construction Machinery Co., Ltd.
Jiangsu Yinghe Industry & Trading Co., Ltd.
Jiangxi Aoyu Rubber Track Co., Ltd.
Jiangxi Jinlilong Rubber Track Co., Ltd.
Jiangyin Huafang New Energy Hi-Tech Equipment Co., Ltd.
Jiashan Epen Bearing Co., Ltd.
Jiashan Sinhai Precision Casting Co., Ltd.
Jinnings Equipment
Jisung Heavy Industry Co Ltd
JLG Industries
JMG Cranes
JMG Systems LTD.
John Deere Construction & Forestry Company
John Deere Harvester Marketing Services

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

John Deere Power Systems

Joka Industries Inc.

JOMAC Ltd

Jonas Construction Software

Jonel Engineering

Jones Mfg

Joy Global

Jrone Turbo Technology

JTI Trade Inc

Juniper Systems, Inc.

Junjincsm

Jura Filtration- HIFI Filter

K & M Manufacturing

Kaesser Compressors Inc

Kalas

Kalyn Siebert

KAMAG Transporttechnik GmbH & Co. KG

Kamar Infrastructure America Corp.

Kampco Steel Products

Kaper II Inc

Kawasaki Wheel Loaders

Kaydon/Cooper Bearings

Keestrack

Kelch

Kelly Tractor Company

Kemaico USA Corporation

Ken Cook Co

Kenco Corporation

Kennametal Inc

Kenneth Clark Company Inc.

Kenworth Truck Company

Kesho Publications Inc

Kessler & Co. GmbH +Co.KG

Kevin's Wholesale

Keystone Aniline Corporation

Keystone Engineering & Mfg.

Keystone Plastics Inc

KHL

Kimble Mixer Company

King Kong Tools LLC

Kinshofer NA

Kissling Electrotec Inc.

KITECH

Klein Electronics

Klein Products Inc

KLEMM Bohrtechnik

K-Line Industries

Kloekner Metals Corporation

KM International

Knapheide Manufacturing Company (The)

Knott Brake Company

Kobelco Construction Machinery USA

Kobelco Cranes North America Inc

KOCEMA (Korea Construction Equipment Manufacturers Association)

Kohler Engines

KOMAC - Korean Hydraulic Machinery Co Ltd

Komatsu America

Komex Electronics Co., Ltd.

Komplet Italia srl

Komptech USA Inc

Kondex Corporation

KOOLGATOR, Cooling Neck Wrap

Kormann Rockster Recycler GmbH

KPI-JCI

K-Tec Earthmovers Inc

KTR Corporation

Kubota Engine America

Kubota Tractor Corporation

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA

Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060

info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Kumru Otomotiv	Lifting Gear Hire Corporation
Kunshan Kensetsu Buhin Co., Ltd.	Lifting Technologies Inc
L & M Radiator Inc	Lincoln Electric
Labor Finders International	Lincoln Industrial
LADD Distribution	Linden Comansa America
Lampson International	Linemaster Switch Corporation
Lanair Products	Link-Belt Construction Equipment Company
Land Improvement Contractors of America	Linkwell Corp./Taibang Heavy Machinery Mfg. Co., Ltd.
Landoll Corporation	LINTEC GmbH & Co. KG
Lang Mekra North America LLC	Lippmann Milwaukee Inc
Lansas Products Mfg by Vanderlans & Sons Inc	LiquiTube Marketing International
Lapham-Hickey Steel	Little Beaver Inc.
Laser Technology Inc	Little Giant Ladder Systems
Layher USA	Littlefuse CVP - Cole Hersee
LayMor	Liugong Machinery Co., Ltd
LB Performance Paving	Load Systems International
LB Steel/Concord Steel	Loadcraft Industries, Ltd
LBX Company LLC	LoadMan On-Board Scales
LE - Light Engineering Inc	Loadrite
Leachrod, LLC	LOFA Industries, Inc.
Leading Edge Attachments Inc	Logan Corporation
Lectura Verlag	Logix ICF Ltd.
Ledwell	LoJack Corporation
LeeBoy	LONKING(FUJIAN) INTERNATIONAL TRADE CO.,LTD
Legacy Building Solutions	Los Angeles IBEW NECA LMCC
LEICA Geosystems Inc.	Loup Electronics Inc
LeMar Industries	Lowe Manufacturing Company Incorporated
Leons Mfg Company Inc	LUBE-A-BOOM
LHP Telematics	Lubecore
Libra Systems Inc.	Lucerix International Corporation
Liebherr Construction Equipment Co.	Luff Industries Ltd
Lift and Access Magazine	Luoyang Diron Parts Co., Ltd.
Lift Safety Zone	Luoyang Sinorock Engineering Material Co.,Ltd
Lift Systems, Inc.	Lynx Attachments

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

M&B MAG LTD	Mankiewicz Coatings LLC
M&P Specialty Insurance	MANN+HUMMEL
M.S. Eng Co., Ltd.	Mansfield Oil
Ma'anshan FangYuan Slewing Ring Co Ltd	Maradyne Corporation
Maanshan Huadong Wear Resisting Alloy Co., Ltd	Maradyne Mobile Products
MAANSHAN TONGLI SLEWING RING CO.,LTD	MARANDA ENTERPRISES, Cooling Vest
Mabey Bridge & Shore Inc	Marcotte Systems
MAC Trailer Mfg	Marsh Buggies Inc
MAC, Inc.	Martin Engineering
Machine Service Inc.	MASABA Mining Equipment
Machinery & Equipment Access	Mascus USA
Machinery Trader/MarketBook	MAT Mischanlagentechnik GmbH
Machinery-User Limited	Matec America LLC
MachineryZone	Materion Corporation
Mack Trucks Inc	Matrix Design Group
MacLean-Fogg Component Solutions	Mauldin Paving Products
Macro Plastics Inc.	Max USA Corp
Maeda Seisakusho Co Ltd	Maxam Equipment Inc
Magna Tyres Group	Maxam Tire International
Magnetics Division, Global Equipment Mktg. Inc.	Maximatecc
Magnum Attachments Inc	Maximum Capacity Media
Magnum Power Products LLC	Maximus Crushing and Screening
MAHLE Clevite Inc.	Maxon Industries Inc
Mahorsky Group Inc	Maxwell Systems
Maintainer Corporation of Iowa Inc	MB America Inc
MAIT SPA	M-B Companies Inc
Major Wire Industries Ltd.	MBW Inc
Makersan	McCloskey International Ltd
MALA GeoScience USA Inc	McElroy Manufacturing Inc
Manac Trailer	McGraw Hill Construction
ManagerPlus	McLanahan Corporation
Manitex International	McLaughlin Body Company
Manitou Group	McLaughlin Group Inc
Manitowoc Company Inc	McLellan Equipment Co Inc

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

McLellan Industries
McNeilus Truck and Manufacturing Inc
MCR Safety
Meadow Lark
MEC Aerial Work Platforms
Mechanical Products/ ICONN Systems
Meeker Equipment Co Inc
Mefro Wheels
Mega Corp Inc.
Mellott Company
Memo Corporation
Meritor
Mesabi Tool Company
Messinger Bearings
Metal Forms Corporation
Metso
Michelin North America, Inc.
Middle East Plant & Equipment
Midwest Equipment Sales
Midwestern Industries Inc
Millars Products Srl
Miller Electric Manufacturing Co
Miller Fall Protection/Honeywell
Miller Lifting Products
Milsco Manufacturing
Milspec Industries
Mincon Inc
Minda Industries
Miner Elastomer Products Corporation
Miners News
Minimizer
Mining Industry
Mining Machinery
Mining Media International

Minnich Manufacturing Co Inc
MinnPar LLC
Minyu Machinery Corp., Ltd
Mitsubishi Engine North America Inc
Mitsubishi Materials
Mitsuboshi Belting
mJobTime Corporation
MKT Manufacturing Inc
MMI Tank and Industrial Services
MOBA Corporation
Mobil Delvac
Mobile Track Solutions
MobyDick Wheelwashing Systems/Frutiger Company AG
Modern Contractor Solutions
Modustri
Mody Pumps Inc
Moffat Publishing Co. Ltd.
Monarc Industries
Montabert /Geith /Tramac Corporation
Morbark Inc
Morooka USA- East
Morris, LLC
Morton Manufacturing Company
Mosmatic Corporation
Motion Computing
Mould Mate Co, Ltd
MPAQ Automation Inc
MSB Corporation
MTG
MTU
MTU Onsite Energy
MTW-Blades Mechanical Equipent (Su Zhou) Co.,LTD
Multiquip Inc
Multi-Seal Corporation

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Multi-Wing	NexTraq
Mustang Manufacturing	Nicks Boots
Muv- All Trailers - Palomino Mfg Corporation	NICOLAS Industrie S.A.S.
My Little Salesman Inc	Niftylift Inc
Myers-Seth Pump Inc	Ningbo Adecali Import & Export Co., Ltd.
Naex Corp	Ningbo Peheil Machinery Factory
Nanjing Ourui Machinery & Forging Co., Ltd.	Ningbo Ruiyin Machinery Co., Ltd.
NANTONG ANT MACHINERY CO.,LTD	Ningbo Win Machinery Parts Co., Ltd.
National Asphalt Pavement Association	NINGBO YINZHOU COMMERCIAL PRECISION CASTING CO.,LTD
National Association of County Engineers	Ningbo Yinzhou Precision Casting Hardware Factory
National Association of Women in Construction	Ningbo Zhedong Precision Casting Co Ltd
National Attachments Inc.	Ninghai Shenhai Rubber and Plastic Factory
National Commission for the Certification of Crane Operators	Nitto Kohki USA Inc
National Construction Rentals	NLMK Clabecq s.a.
National Equipment Register	NorAm
National Fenestration Rating Council	Nordic Lights
National Ready Mixed Concrete Association	Nord-Lock Inc
National Stone, Sand & Gravel Association (NSSGA)	Norseman Structures
National Trench Safety	North American Crane Bureau Inc
National Utility Contractors Association (NUCA)	North American Quarry News
National Workzone Safety Information Clearinghouse	North American Signal Company
Naylor Publications Inc	North/Honeywell
NBB Controls, Inc.	Northern Ireland Materials Handling
Nelson Global Products	Northern Radiator
Nelson Manufacturing Company	Northrock Industries, Inc.
Nelson Stud Welding, Inc.	Northwest Instrument/Rosenberger
Neptune Automated Wheel Wash Systems	No-Spill Systems, Inc
Neron Pumps SRL	NoteVault, Inc
NESCO	Novapick
New Building Materials & Construction World	NPK Construction Equipment, Inc.
New Construction Products	NUMA
New Millennium Building Systems	Nurock Mixers Ltd
Nexiq Technologies Inc	NuStar Asphalt LLC
Next Generation Power	Nycon Corporation



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Nylacast Ltd.	Pantera Global Technology
O.F.S. S.R.L.	Paradigm Software, LLC
Oatey SCS/Cherne Industries	Partsmaster
Obermann GmbH	Pathway Polymers
Occupational Safety & Environmental Assoc., Inc.	Pavement Maintenance & Reconstruction
Ocean Construction Supplies Ltd	Pavijet / Hitek Equipment
OCI Div. _ Global Drilling Suppliers, Inc.	Payroll4Construction.com
Odisha Concrete Equipment	PC Scale Technologies
OEM Data Delivery	PDI-Professional Demolition International Magazine
Off Grid Energy	PEAK Commercial & Industrial
Off-Highway Research Ltd.	Peak Innovations
Oiles America Corporation	Pearce Pump Supply & Foundries
Okada America	Pearson Heating Systems Inc
Oman Systems, Inc	Pedigree Technologies
Omega Mixers, L.L.C.	Peerless Industrial Group
OMI Industries	Pemberton Inc
OMSI Transmissions, Inc.	Pengo Corporation
On Center Software	Penny Pockets, Ltd.
Operating Engineers Training Institute Ontario	Penta Geotech Co., Ltd.
ORBCOMM Inc.	Peterbilt Motors Company
Orica	Petersen Products Company
Orlaco Inc.	Peterson Pacific Corporation
Orscheln Products	Petro-Canada
OSHA Training Institute Ed Centers	Petrocon Corporation
OTR Wheel Engineering, Inc.	Pettibone/Traverse Lift, LLC
Otto	Philconstruct / Philippine Constructors Assn.
Overton Safety Training	Philippi-Hagenbuch Inc
Oxford Plastics USA	Phillips & Temro Industries
Oztec Industries Inc	Phoenix Industries
Pacific Shoring, LLC	Phoenix Process Equipment Company
Paladin - Powerful Attachment Tools	Pierce Distribution Services Company
Palfinger North America Group	Pierce Pacific Manufacturing
Pall Corporation	Pilosio Spa
PANOLIN International Inc.	Pilosio, SpA



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Pilot Seating	Precision of New Hampton
Pinnacle Drilling Products LP	Precision Pulley and Idler
Pioneer Dredge	Premier Mfg. Co.
Pioneer Pump Inc	PreView Radar by Preco Electronics
Piper Industries	Primary Machinery
Pirtek Fluid Transfer Solutions	Primax Shoring Inc
Pit & Quarry Magazine PP&E Magazine	PRINOTH LTD.
Piusi USA, Inc	ProAll International Mfg. Inc.
Planetary Power	Process Engineers and Equipment Corporation
PlanSwift Inc	Process Heating Company
Plastic Components Inc	PRO-DIG LLC
Plastiform Concrete Forming Systems LLC	Proemion Corp.
Platt & Associates Inc	ProEst Estimating Software
PM North America LLC	Progress Solar Solutions, LLC
PMP Industries Inc	Promac Mfg
Point-of-Rental	Propex Operating Company, LLC
Polaris Laboratories	Pro-Tec Equipment
Polycast Trench Drains (Hubbell)	Pro-Vigil Inc
Polydeck Screen Corporation	Proxibid, Inc.
Polylok	PT Tech Inc
Portadam Inc	PTC
Portafill International Ltd	Publinet SRL
Porta-Pit	Pulltarps Manufacturing
Portland Cement Association	Pure Effect, Inc.
Poseidon Barge Corporation	Putzmeister America
POSITAL - FRABA, Inc	Putzmeister America, Inc.
Power & Communications Contractors Association	PVE Cranes & Services Ltd
Power Curbers and Power Pavers	Python Manufacturing Inc.
Powermoon Enterprises Ltd	QEM - Quarry Equipment Marketplace
Powerscreen	Qingdao Sugu Precision Machinery
Powersource Transportation	Quadco USA
Praxair	Quadrel
Precision 3D	Quality Mat Company
Precision Components	Quanzhou Henglida Engineering Machinery Co., Ltd.

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Quanzhou Hongshengxing Engineering & Machinery Co., Ltd.	REMdevice srl
Quanzhou Minda Machine Manufacturing Co., Ltd.	REMU
Quanzhou Red Hill Engineering Machinery Co., Ltd.	Rent Italia SRL
Quanzhou Yongchun Machinery Development Co., Ltd.	Rental Equipment Register
Quick Cable Corporation	Rental Product News
R&R Lotion	Res Manufacturing Company
R. Cushman Division	Revista Construtores
RAAL SA	RexCon LLC
Radiator Supply House, Inc	Rexius / Conveyor Application Systems, LLC.
Rail-Veyor Technologies Global Inc.	Rexnord
Rain For Rent	RGC/Reimann & Georger Corporation
Ram Commercial Trucks	Rhino Equipment Group
RAM Mounting Systems	Ricardo Inc
Ramco Construction Tools Inc	Rice Lake Weighing Systems
Ramsey Industries	Richway Industries
Ramsey Winch	Richwood
Ramvac Vacuum Excavators	Rigid Industries
Rapid International LTD	Rigid Lifelines
Ratec LLC	Rimex Supply Ltd.
Rayco Manufacturing Inc	Rinstrum
Rayco-Wylie Systems	Rio Rubber Track, Inc
Rayner Equipment Systems Inc	Ritmo America LLC
RCI Safety	Riviera Brush Co
RCP Inc	RM Michaelides Software & Electronic, Corp.
RDS Technology	RMC China Quality Machine Parts Inc
ReachMaster, Inc	RMP Capital Corp
Redi Rock International	RMT Equipment Inc
REED Concrete Pumps & Shotcrete Equipment	RNP Industries Inc.
Reed Construction Data	Road Widener LLC
Reelcraft Industries Inc	RoadMixer
Reel-O-Matic	Roads & Bridges
REICHdrill, Inc.	Roadtec Inc/Astec Industries
Rema Tip Top North America, Inc.	Robit Rocktools Ltd
REMco	ROC Equipment

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Rock & Dirt
Rock Products
Rockland Manufacturing
Rockmore International Inc
Rock-Tech International
Rogers Brothers Corporation
ROHR-IDRECO Dredge Systems
Roll Form Group A Div of Samuel
Romac Industrial Parts Inc
Romanelli
RoMix Chemical, Inc
Rosco Vision Systems
Rosta Inc.
Rotex Global
Rotochopper Inc
Rotorcomp Verdichter GmbH
Route One Publishing Ltd
RP Group Ltd
RR USA Inc
RTG Rammtechnik GmbH
Rubber-Cal
RUBBLE MASTER AMERICAS, Corp.
RUD Chain, Inc.
Rulmeca Canada
Rulmeca Corporation
Rumber Materials LLC
Ruukki
RWF BRON
S.C.I. Srl
S.D.P. Manufacturing, Inc.
SAF-HOLLAND
Sage
Sage Oil Vac Inc
Sakai America Inc

Salmon River Innovations
Salsco Inc.
Sambo Construction Machine Co, LTD
Samoter 2014 - Veronafiere
Sampierana spa
Sandvik Construction
Sanveo
Sany Heavy Industry Co Ltd
Saskatchewan Trade & Export Partnership
Sauls Seismic, Inc.
SBM Mineral Processing GmbH
Scaffold & Access Industry Association
Scan-Link Technologies INC
Scan-Pac Manufacturing
Scanreco North America
Scenario Virtual Project Delivery
Schaeffer's Specialized Lubricants
Schaeffler Group USA, Inc.
Scheuerle Fahrzeugfabrik GmbH
Schurco Slurry Pumps
Schwarze Industries, Inc.
Schwing America Inc
Scientific Dust Collectors
Scotchman Industries
Scrap Magazine/ISRI
Screen Machine Industries
Screen USA Inc
Scrommel Reclaimers
Sealeze, A Unit of Jason
SealMaster
Sears Seating
Seats Incorporated
Sellick Equipment Limited
Sellstrom Manufacturing Co

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Selwood Pumps	Sicoma North America Inc
Semper Fi Fund	SideTool, Inc.
Semperit Industrial Products Inc	Sidump'r Trailer
Sennebogen LLC	Sierra International Machinery Inc
Sensors & Software Inc	Sigalarm
Separ of the Americas LLC	SignalQuest
SEPMI M. S.p.A.	Signature Systems Group (MegaDeck)
Service Supply America	Sika Corporation
Service Trucks International	Simex, srl
SETCO Solid Tire	Sioux Corporation
SH PAC	SIP & T
Shandong Longyuan Rubber Co., Ltd	Sirtres srl
Shandong Shantui Triumphal Construction Machinery Co., Ltd	Sited Prep
Shandong Wanda Boto Tyre Co., Ltd.	Sittab Inc.
Shanghai Chuangshen Machinery Equipment Co., Ltd.	SkyBitz
Shanghai Fulangjie Import & Export Co., Ltd.	Skyjack
Shanghai Huaxiang Rubber Track Co., Ltd.	Slide Sledge
Shanghai Jintai Engineering Machinery Co Ltd	SMART Safety Group
SHANGHAI SANME MINING MACHINERY CO.,LTD	SmartBidNet
SHANGHAI SHIBANG MACHINERY CO.,LTD	Smico/ Symons Screens
SHANGHAI YIWEI INDUSTRY EQUIPMENT CO.,LTD	SMIE
Shanghai Zenith Mining and Construction Machinery Co., Ltd	Bradley Monroe Ltd
Shaw Development	SmithCo Mfg Inc
Shell Lubricants	Snorkel
Shenzhen Everest Lighting Co., Ltd.	Snyder Industries
Shenzhen U-Man Ind. Co. Ltd.	SOBRATEMA – Brazilian Association of Technology for Construction and Mining
Sherex Fastening Solutions LLC	Soilmec North America Inc
Sherwin-Williams Automotive Finishes	Solar Technology Inc
Shockim, Inc.	Solesbee's Equipment & Attachments LLC
Shur-Co, LLC Tarps	Solomon Colors
Shuttlelift	SonicSampDrill
Shuttlewagon Mobile Railcar Movers	Sonneborn Inc
Sibeco-Asia	SoundOff Signal
Sichuan Y&J Industries Co., Ltd.	Souriau

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Southwest Products	Striker Hydraulic Breakers/Toku-America, Inc.
SPAL USA	Strong Hold Products
SPANCO, Inc.	Strongbridge - Tega
Spancrete Global Services	STROS-Sedlcanske Strojirny, a.s.
Sparta Innovations, Inc.	StrucSoft Solutions
Spartan Mat LLC	Sturgeon Tank & Equipment
SpecDrum Engineering	Sturtevant Inc
Specialized Carriers & Rigging Association	SubSurface Instruments Inc.
Specialty Bar Products Co.	Sullair, LLC.
Speco Asphalt Plants	Sullivan-Palatek Inc
Specs2compare	Sulzer Pumps/ABS USA
Speed Shore Corporation	Summit Truck Equipment
Spinner II	Sumner Manufacturing Company Inc
Spiradrill	Superior Broom (SB Manufacturing)
Sprinter Vans	Superior Industries
Spydercrane Sales	Superior Signals Inc
SRJ Inc	Superior Tire & Rubber Corp - Track Pads
SSAB	Superior Tire & Rubber Engineered Components
St. Louis Metallizing	Supertrak
STA S.r.l.	Surface Systems & Instruments LLC
Stabilus	Sutter's Mill Specialties
Stanadyne Corporation	SVE Portable Roadway Systems, Inc.
Standard Filter Corporation	Swaploader USA Ltd (an EFCO Subsidiary)
Stanley Vidmar	Swedish Lorry Parts AB
Stansteel-Hotmix Parts	Swivel Storage Solutions
Stanton Tire Washes	Sysdyne
Stedman Machine Company	T & C Plumbing, LLC
STEINBAUER Performance LLC	T&R Electric Supply Co.
Stellar Industries Inc	T.Rad North America
Stephens Manufacturing	TABE
Sterling Lumber Co.	Tadano America Corporation
Stertil-Koni USA Inc.	Tadano Mantis Corporation
StoneTerra, Inc	TAG Employer Services
Strata Worldwide	Taizhou Jinqiu Mechanical and Electrical Casting Co., Ltd.



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Takeuchi	Terramite
Talbert Manufacturing Inc	TerraSource Global
Tandem Products/ Rhino Hyde Division	Tesab Group
Tank Connection	Tesmec USA Inc
TAPCO	TEUFELBERGER Seil Ges m.b.H.
Tapestry Partners, Ltd.	Teupen USA, Inc.
Target Marketing, Inc.	TF-Technologies A/S
Taylor Machine Works Inc	The Blue Book Network
Taylor Made Glass Systems/Taylor Made Glass Ohio, LLC	The Crosby Group
Taylor Power Systems	The Flat Stopper
TEAMCO, Inc.	The Hilliard Corporation
Tech Safety Lines Inc	The Mine Safety Center
Techflex Inc	The Parts Book / Mason Publishing Inc
Techking Tires Limited	The Toro Company
Technical Translation Services	The Western Group
TECO- Westinghouse	Thermo Scientific
Tecsys Inc.	Thern Incorporated
Tectron Engineering Company	Thompson Pump & Manufacturing Inc
Tecweigh / Tecnetics Industries Inc	Thor Global Enterprises Ltd.
TEI Rock Drills	Three B Brush Corp
Tele Radio America LLC	Thunder Creek Equipment
Telestack	Thurman Scale
Telestack Ltd.	Tifco Industries
Teletrac Inc	Tiger Tool International Inc.
Telogis, Inc.	Tigercat Industries Inc
Telsmith Inc	TIGHITCO Inc.
Tema Isenmann Inc	TIMCO Inc
Tensar International Corporation	Time Manufacturing Company
Tenstar Simulation AB	Tingley Rubber Corp.
Terex Corporation	Titan Machinery
Terex Washing Systems	Titan Tire Corporation
Terminal Supply Co	TJM Drilling Equipment & Supplies
Terra Select Inc	Tonkin Replicas
Terramac LLC	Tons Per Hour, Inc. / Jingjin Environmental

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Top Drill Co., Ltd	Triple/S Dynamics Inc
Top Global Parts Co., Ltd.	Triumphal Precision Engineering (ZheJiang) Ltd.
Topcon Positioning Systems Inc	Trojan Tire Inc.
Topcon Sokkia	Troxler Electronic Laboratories Inc
TOPS Equipment- Truck & Tool Box Equipment	TruckTrax Inc
TorcUp Inc	Tsurumi Pump
Tornado ACS	TT Technologies Inc
Torspec International Inc	Tuff Bucket, Inc
Toshiba International Corporation	Tungco, Inc.
Towmaster Trailers Inc	Tushogg
Track One/USCO/Heavyquip	TVH
Tracked Lifts Inc	Twin Disc Inc
Trackmobile LLC	Twinkle Co.
TracMec	Ty Cushion Tire
Trade Link Media PTE Ltd	TYMCO
Traffix Devices Inc	TYRI Lights
Trail King Industries Inc	U.S. Nameplate Company
Transfluid/Kraft Power Corporation	U.S. Tsubaki Power Transmission, LLC.
Transhield	UB Equipment Corporation
Transport Topics Publishing Group	Ueda Industries Co., Ltd
TransTech Systems, Inc.	Ultra Plant
TREK Inc.	Ultra Seat Corporation
Trelleborg Wheel Systems Americas, Inc.	UNACEA - Italian Construction Equipment Association
Trench Grader Inc.	Underground Construction
Trevi Benne SPA	Underground Solutions Inc
Triaso SA de CV	Uni-Grip Incorporated
Trident International P Ltd	Unique Business Systems
TriMark Corporation	Unique Paving Materials Corp
Trimble	United Equipment Accessories
Trimble Construction Logistics	United Rotary Brush Corporation
Trim-Lok Inc	Universal Flow Monitors Inc
Trio Engineered Products	Universal Steel America, Inc
TRIP	US Radar Inc
Triple Crown Products	US Rigging Supply

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Uvex/Honeywell	Vogelsang Fastener Solutions
Vacall	Volvo Construction Equipment NA, Inc.
Vactor Manufacturing	Volvo Penta of the Americas
Vacuworx Global, LLC	Volvo Trucks
Valew Quality Truck Bodies	Vortex/CM Labs
Valley Blades Limited	Voss Automotive Inc
Valley Industries, LLC	VPG On-Board Weighing/Evergreen Weigh
Valuepart Inc	VSS Macropaver
Valvoline	Vulcan On-Board Scales
Van Beest	Vytek, Inc.
Van der Graaf	W.S. Tyler
Van Gorp Corporation	W.V. Trailers
Vanair Manufacturing Inc	Wabtec- Railroad Friction Products Corporation
Veena Industries Ltd.	Wacker Neuson Corporation
VEI ON BOARD WEIGHING SOLUTIONS	Waipahu Servicing LLC
Verizon Networkfleet	Walz Scale/Pfreundt North America
Ver-Mac Inc	WAM USA Inc.
Vermeer	Wanco Inc
Versa-Lift	Warn Industries
Verti-crete	Washout Watchdog
Vertigraph Inc	Waste Handling Equipment News (WHEN)
Vertikal Press Ltd	Watson & Chalin Mfg
Veyance Technologies Inc./ Goodyear Engineered Products	Watson Inc
VIBCO Vibrators	Webasto Thermo & Comfort North America, Inc.
Vibra-Ram Inc	Weber MT, Inc
Victor Technologies, Inc.	Webster Industries, Inc.
Viewpoint Construction Software	Webtech Wireless Inc
Vince Hagan Co.	Weg Electric Motor Corp
Vision Plus	Weiler Inc
Vision X Lighting	Weir Minerals Linatex
Visionaire Inc	Weir Minerals North America
VisionLink – Technology Solutions For The Mixed Fleet	Weldco-Beales Mfg.
VMAC	Welding Alloys USA
VMI Inc	Wells Fargo Equipment Finance



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

WEM Automation Inc
Werk-Brau Co., Inc.
Wescon Controls
West Plains Electric Controls and Automation
Western Dredging Association
Western Drilling Tools Inc.
Western Global
Western Star Trucks
West-Mark
Wheels India Ltd.
Wheelwash
Whelen
Whiting Corporation
Widos LLC
Wilco Marsh Buggies
Wildcat Rock Drilling Tools/ Kwang Sung GM
Williams Form Engineering
Willow Designs LLC
WingFan
WireCo WorldGroup
Wirerope Works Inc
Wirtgen America Inc
Wise Company Inc (The)
Wohwa Distribution North America Inc.
WOJUN (Guangzhou) Rubber Co., Ltd.
Woods Equipment Company
WORD International Inc.
World Diamond Source
World of Asphalt
World of Concrete
World Tech Solutions Ltd
World Union Engineering Limited
Worldwide Drilling Resource
WPT Power Corporation

WRT Equipment Ltd.
Wuxi Camray Machinery Co., Ltd.
Wuxi Hongsheng Heat Exchanger Manufacturing Co., Ltd.
WUXI XINSHENG HEAT EXCHANGER CO.,LTD
Wyco Tool Company (The)
Xcira
Xiamen Helong Industrial Co., Ltd.
XL Specialized Trailers
XPOWER Manufacture, Inc.
Xtreme Manufacturing
Xuzhou Construction Machinery Group Imp. & Exp. Co.,Ltd.
Xuzhou Jiufa Construction Machinery Co., Ltd.
Xylem
Y & J Industries, Inc.
Y. Raunisto Oy
Yamaha Motor Corporation USA
Yanggu Haoquan Rock Tools Co., Ltd.
Yanmar America Construction Equipment
Yanmar America Industrial Engines
Yantai Moon Heat Exchange Technology Co., Ltd.
Yantai Shengteng Concrete Pump Pipes & Spare Parts Co.,Ltd
Yokohama Tire Corporation
Yongzhou Yixiang Machinery & Equipment Co., Ltd.
Yoochang Hi-Tech Co., Ltd.
York Portable Machine Tools
Young Corporation
Young Windows, Inc.
Yulin Chuandi Machinery Manufacturing Co., Ltd.
Yuyao Kanat Hydraulic Fittings Co., Ltd.
ZAOHUANG JINTONG RUBBER HOSE CO.,LTD
ZF Friedrichshafen AG
Zhejiang Dingli Machinery Co., Ltd
ZHEJIANG FENFEI RUBBER & PLASTIC PRODUCTS CO.,LTD
Zhejiang Hongfei Industry Co., Ltd.



March 4-8, 2014 | Las Vegas, USA | www.conexpoconagg.com

Zhejiang Jiuyun Vehicle Parts Co., Ltd.
Zhejiang Stronger Hydraulic Co., Ltd.
Zhejiang Tiancheng Controls Co., Ltd.
Zhejiang Yintlun Machinery Co., Ltd.
Zhejiang Yuanchuang Rubber Track Co Ltd
Zhejiang Yunzhou Technology Co Ltd
Zhenjiang Tonly Rubber Co Ltd

ZHONGCE RUBBER GROUP COMPANY LIMITED
Zimmerman Ind., Inc.
ZIPLEVEL/Technidea Corporation
ZMac Transportation Solutions
Zonar
Zoomlion Heavy Industry Science & Technology Co., Ltd
ZTR Control Systems

6737 West Washington Street, Suite 2400 | Milwaukee, WI 53214-5647 USA
Phone: 414-272-0943 | Fax: 414-272-2672 | Toll-free: 800-867-6060
info@conexpoconagg.com

TIMBERLINE

May 2010 • Volume 16, Number 5

INDUSTRY NEWS & MACHINERY

www.timberlinemag.com • 800-805-0263

IN THIS ISSUE

4...Tough Choice During Harsh Economy Leads to Success for PA Logger: Joey Kocjanec's recent move into mechanization has proven to be a successful venture despite the downturn in the economy. In the last year, production has hit an all-time high.

8...The Kocjanec Legacy—One of the Founding Families of PA Logging: The Kocjanec family is considered one of the founding families of the logging industry in PA. Eighty-year-old John Kocjanec Sr. gives an inside view of what it was like to grow up in his family's logging camp.

12...John Deere's Stump Treatment A New Business Opportunity: Aaron Barometer has the first John Deere stump treatment system used in the United States. This spraying system is providing a new business opportunity for Barometer Logging.

18...Cat CTL Equipment Keeps Quebec Logging Contractor Going Strong: North of Lac Saint-Jean, deep in the spruce and fir forests of central Quebec, Pascal Bouchard carries on with the business his father started 40 years ago.

22...EXPO Richmond: Find out who is going to be at one of the most important shows for the industry every two years.

PSIRT STD
U.S. POSTAGE
PAID
PERMIT NO. 12
INDIANA, PA
15601

FREE
TimberLine Subscription
Visit www.timberlinemag.com or pg. 34

EPSILON PALFINGER

Designed for high cycle, heavy-duty jobs like forestry, log processing, and waste hauling



Designed for extended structural life

High speed, double circuit operation

Outer boom pipes, cylinders, and hoses protected inside the boom

Easy to service cylinders and hoses without dismantling the boom

Customizable options to create your ideal machine

NEW PRODUCT ANNOUNCEMENT



Heavy Duty Crane Class

TIFFIN
LOADER CRANE

4151 West St Rte 18, Tiffin, OH 44883

Phone: 419-937-2100 ext. 106

Email: d.roush@tiffinocrane.com

EXPO RICHMOND 2010



Richmond Show Pallet/Sawmill/Logging Exhibitors

The Richmond Expo will be largest display of suppliers of pallet, sawmill, logging and related manufacturing equipment, supplies and services in the Eastern U.S. in 2010. The trade show will be held on May 21-22 in Richmond, Va.

For the convenience of our readers, on this page we have provided a list of exhibitors who will be at the show.

Come by and meet the staff of TimberLine, too! We will be at Booths 632 and 634.

Advance Weighing Systems
Albermarl Pallets, Inc.
Air Systems Mfg. of Lenoir, Inc.
Aldemar Saw Shop Inc.
Alumite/Farabee-Johnson Co.
American Lumber & Pallet
American Signet Ltd.
Amplimach
AnEque Chainsaws
Appalachian Forest Management
Applied Machining, Inc.
Arbor Equipment Co.
Automated Machine Systems, Inc.
Autron Industrial Automation, Inc.
B & C Truck Sales, Inc.
Dad Dog Tools
Danley's Inc.
Dakota Products
Dandil Industries, Inc.
Dankley Equipment Co./Pricer Log Pro
DC Market Solutions
Dover, Inc.
Drexco, Inc.
BridgeStone America's Tire
Bronco Pallet Systems, Inc.
BRUKS Rockwood, Inc.
Bull-Rite Mfg. Corp.
Canadian Chains
Cardinal Rubber & Seal Inc.
Carroll Inspection Services, Inc.

Cal/Carter Machinery Company
Cemar Electric Inc.
Chenoman Industries, Inc.
Concept Products Corporation
Construction Safety Products, Inc.
Continental Biomass Industries, Inc.
Cooper Machine Company, Inc.
Cortley Mfg. Co.
Country Saw & Knife, Inc.
Cresswood Shredding Machinery
Delta Computer Systems, Inc.
Diehl-Clayton Equipment Inc.
Discount Hydraulic Hose.com
Dyna Products
ED Associates Inc.
Eennocall, Inc.
Edge Manufacturing, Inc.
Ekselcut Marking
Farm Credit Fecan, Inc.
Farrabee-Johnson Co.
Fence Trailer
Florence Manufacturing Inc.
Flying Dutchman, Inc.
Forestry & Construction, Inc.
Forestry Mutual Insurance Co., Inc.
Forestry Suppliers, Inc.
Forestry Systems, Inc.
Gaines & Critzer, Ltd.
GBN Machine & Engineering Corp.
T. H. Gleason Co., Inc.

Goodman Truck & Tractor Co., Inc.
Green Manufacturing
Greenville Colorants
Hale Trailer Brake & Wheel, Inc.
Hill's Safety Equipment Corp.
Hinter Tool, Inc.
Hilton-Brown Publishers, Inc.
Haywood Community College
Heartland Fabrication & Machine Inc.
HMC Corporation
Huntville Metal
Hub Industrial Supply
Hibler Bros. Inc.
Hudson Forest Equipment Inc.
Hurst Boiler & Welding Co., Inc.
Husquarna Hyster Co.
Industrial Reporting, Inc.
Innovative Trailers, Inc.
Interpack Systems, Inc.
ISX Blending, Inc.
Jackman Equipment, Inc.
Jackson Lumber Harvester Co., Inc.
Jen Machine, Inc.
Johnny Lanester Community Coll
John Deere Construction & Forestry
Kumar Industrial Technologies
Kason/Shapbach
Keith Mfg. Co.
Kenna-Saw & Supply Co.
Keystone Machinery Corp.
Kiln-direct.com
Kimber Wood Shavers
Kittell Auctions, LLC
KHL Holdings, LLC
L & L Sales
Landon Wrapping
Lesite Systems & Service Co., Inc.
The Logger's Wife
Logistical Systems, Inc.
The Lumbermen's Exchange
Manny-Baile Insurance
Mattei Insurance Services, Inc.
Med Mill, Inc.
McDonough Manufacturing Co.
Melton Manufacturing Company, Inc.
Menominee Saw and Supply Co., Inc.
Metal Detectors, Inc.
Millard's Machinery, Inc.

Mobile Manufacturing Co.
Moore's Saw Shop Supplies Inc.
Morback, Inc.
Multibak North America, LLC
James Murphy Co.
National Hardwood Lumber Assoc.
National Wooden Pallet & Container
Newman Machine Company, Inc.
Noble Machinery Co. Inc.
Norco Equipment
Northern Logger Magazine
Norwood Industries Inc.
Olson Saw
Optima Health
Outback Heating, Inc. - Heatmap
Outdoor Underwriters, Inc.
PAC Shipping Products, Inc.
Package Research Laboratory
Pilot Craft Mfg.
Pallet Machinery Group
Pallet Repair Systems, Inc.
Parker-Farabee-Johnson Co.
Peyer's Distributions Inc.
B. H. Payne & Co. Inc.
Peerless Elm Co.
Pendu Manufacturing, Inc.
Peterson Portable Sawmills
Pierce Construction & Maintenance
Practice Premier Leader Championship
Primex Tires
Pro Pac Industries
Protec Technology, Inc.
Quisco
Rayco Manufacturing, Inc.
Redwood Plastics Corp.
Reimle Parts Manufacturing, Inc.
Resolute Recovery Systems, Inc.
Robochopper, Inc.
RT Pallet Equipment
Ryan's Equipment
Salsco, Inc.
Samuel Shipping
Saw Service & Supply Inc.
Sawmill Hydraulics, Inc.
Sawmill Mfg. Henningsen L, LLC
Sharp Tool Co. Inc.
Sil Dry Kilns
Simonds International

Simply Computing International, Inc.
Smart Products
Stanley-Boslich
Stapling Machines Co., LLC
Stihl Mid-Atlantic
T. S. Manufacturing
Talladega Machinery & Supply Co.
Taylor Machine Works, Inc.
The Knivesource LLC
Tigertail Industries Inc.
Timber Products Inspection, Inc.
ThankGoodYear Farm Tires
Trace Equipment Corporation
Tree Services Magazine
Tri-State Auction & Realty LLC
Truck Enterprises Richmond, Inc.
Aler Tyre & Associates LLC
UPC Coatings Corporation
Univacel Ties, Inc.
US Blakes LLC
USDA Forest Service
USNR
VA Dept. of Agriculture
VA Tech Center for Unit Load Design
VA Tech College of Natural Resources
VA Tech Dept. of Forest Resources
VA Tech Dept. of Wood Science
Vermont Mid-Atlantic, Inc.
Viking Engineering & Development
Virginia SHARP Logger Program
Virginia Department of Forestry
Virginia Forest Lumber Education
Virginia Forest Products Association
Virginia Forestry Association
Virginia Forestry
Virginia Loggers' Association
Virginia Truck Center of Richmond
Voice Directed Tally Systems, Inc.
Volve Construction Equipment NA
Washington's Inc.
Webster Industries, Inc.
Wellons Group
West Plains Electric Controls
West Salem Machinery Co.
Western Branch Diesel, Inc.
Wilkins Trailer
Woodsave Ltd.
X-Mold

Easy in. Fast out.

The new **AIRVAC** Dry Kiln is here



2,500 to 20,000 board foot capacities available

VACUTHERM

Vacuum Kilns • DH Kilns • Kiln Controls • Material Handling

Vacutherm, Inc.
2535 Airport Rd.
Warren, VT 05674



1.802.496.4241



sales@vacutherm.com



Fast drying
(Shrinkage down)

Reduced warping

Reduced checking
(Cracks down)

Reduced cracking
(Cracks down)



[BUYER'S GUIDE](#)
[TOP 40 UNDER 40](#)
[CANADIAN RENTAL MART](#)
[TWITTER](#)
[FACEBOOK](#)

[Home](#)
[INDUSTRY NEWS](#)
[PROFILES](#)
[SHOWS](#)
[CANADIAN RENTAL ASSOCIATION](#)
[BUSINESS INTELLIGENCE](#)
[JOBS](#)

[EQUIPMENT](#)
[CONSTRUCTION](#)
[LANDSCAPING](#)
[HOMEOOWNER](#)
[PARTY AND EVENT](#)

[NEWS SIGN UP](#)

Home » Shows

Atlantic Heavy Equipment Show starts this week

April 28,
2015



April 5, 2010 – The Maritimes' largest Heavy Equipment show is back and bigger than ever at the Moncton Coliseum. April 8-9, 2010. Since 1986, the Atlantic Heavy Equipment Show (AHES) has evolved into a must-attend event for the heavy equipment, road building, forestry and logging sectors.

"The 2010 edition of the AHES is a complete wall-to-wall sell out. Inside space for the large equipment exhibitors is maxed-out with a growing waiting list every year! We are using every square inch we can find in all 6 buildings and could use more. The outside exhibit space is also at capacity with almost as much space being used there as inside the actual facility and we could not be more pleased," says Show Manager, Mark Cusack. "It's a unique problem to have, but we are squeezing every inch out of this facility," says Cusack.

Atlantic Canada is a hot bed for infrastructure spending and it shows no signs of slowing. Many highway and construction projects that have been supported by all levels of government have been uncoiled and as early as last month several major contracts were awarded that will keep those in the heavy construction and road-building industries busy for several years. 72 billion has been earmarked for 32 community infrastructure projects, including 8.6 million in road improvements in Miramichi, more than 7.5 million for roads and ferries, and countless others that span the entire maritime region.

All the major players in the heavy equipment industry will be at this fantastic show, highlighting the latest and most innovative heavy equipment that will be needed to get those mega projects done on time, and on budget.

"It's not just dozers and big tractors," explains the President of the Atlantic Land Improvement Contractors Association Mike Shea. "This show encompasses many industries, including the forestry and logging sectors, which are also on the cusp of an upswing," said Shea. "We are proud to be involved with this huge event and are excited to watch it grow as it has."

Housing starts are on the rise in North America, mills are reopening and a Royal Bank of Canada Executive recently said timber could be the oil of the next decade. The most efficient and innovative heavy forestry equipment will be required to keep up with the increased demand. The AHES coincides with the three-day spring meetings of the Canadian Woodlands Forum and will likely draw a significant forestry audience on top of the massive turnout expected from the heavy equipment and construction sector.

This big event also leads to big economic spin-offs for Moncton and the surrounding communities. "Hosting trade shows such as the boat show, heavy equipment show, MEET, etc. has a very important impact on the hospitality industry in Greater Moncton, and is especially beneficial to lodging, restaurants and have, retail, transportation and other related industries" says General Manager of the Delta Beaumont Hotel, Raymond Roberge. "These shows bring in travelers from the local markets and beyond, quite often during off-season periods and showcase the community and its businesses. Visitors to these shows quite often return to the metro area as tourists and leisure market consumers, with a positive economic spin-off to the community" explained Roberge.

Here is just a sampling of exhibitors on board for this colossal event, Komatsu, Case, Cat, John Deere, New Holland, Volvo, Tigercat, Wajac, JCB, Liebherr, Vermeer, Craig, Kobelco, Ponsse, Sennebogen, Iuchi... and many

SUBSCRIPTION CENTRE

[New Subscription](#)
[Already a Subscriber](#)
[Customer Service](#)
[View Digital Magazine](#)

MOST POPULAR

► **Toro Expands Masonry Linup with All New UltraMix™ Mortar Mixer Models**
March 4, 2015 - The Toro Company continues to expand.

► **Point-of-Rental® Software and Positek RFID Launch Industries' First RFID Integration with Rental Inventory Management**
March 4, 2015 - Point-of-Rental® Software and Positek RFID together.

► **Wacker Neuson Hires New Regional Manager for Eastern Canada**
March 4, 2015 - Wacker Neuson has hired Scott Ferguson.

► **NHES set to kick-off this week**
March 4, 2015 - This Thursday and Friday (March 6th).

more. There is no doubt the BIG IRON will be in Moncton. For a complete exhibitor list, please visit www.nhes.ca



More in this category: • CANADIAN RENTAL MAR 2016 | Thank you CRM •

Add comment

Name (required)

E-mail (required, but will not display)

Website

DISCLAIMER: The information on this page is for informational purposes only and does not constitute an offer or a recommendation.

☐ Notify me of follow-up comments

Security code



Refresh

Send

[back to top](#)

Light Compaction



Doosan Infracore
Portable Power

UPCOMING EVENTS

[More Events](#)

- ☐ **Prairie Regional Trade Show**
Sat Mar 14 2015
- ☐ **CRA BC Golf Tournament**
Fri Sep 11 2015



Tweets

[Follow](#)



CRSmagazine
@CRSmagazine

1 yr

Global Rental Alliance holds 4th annual meeting
[http://crs.ca/rental-alliance-holds-4th-annual-meeting](#)
Brand



CRSmagazine
@CRSmagazine

2 Mar

Fast moving Raymond Brothers and even
rentals in London, Ont, profile in March
Canadian Rental Service [cwr.ca/CRS](#)



CRSmagazine
@CRSmagazine

6 May

Photos from C.A.A. and now on [http://crs.ca/CRS](#)
[http://crs.ca/CRS](#)
[@CRSmagazine](#)



CRSmagazine
@CRSmagazine

1 yr

NHES set to kick off this week [http://crs.ca/NHES](#)
[http://crs.ca/NHES](#)

[Tweet to @CRSmagazine](#)

MID-ATLANTIC LOGGING & BIOMASS EXPO

OFFICIAL SHOW
PROGRAM

October 7-8, 2011
Selma/Smithfield, NC

Welcome to the Mid-Atlantic Logging & Biomass Expo, the most comprehensive show of its type on the Central East Coast. The sponsors sincerely thank all participants and acknowledge the exceptional support of Selma-Smithfield organizations and merchants.



Halton-Brown
Publishers, Inc.

The all-new Cat® C Series



You're the driver.

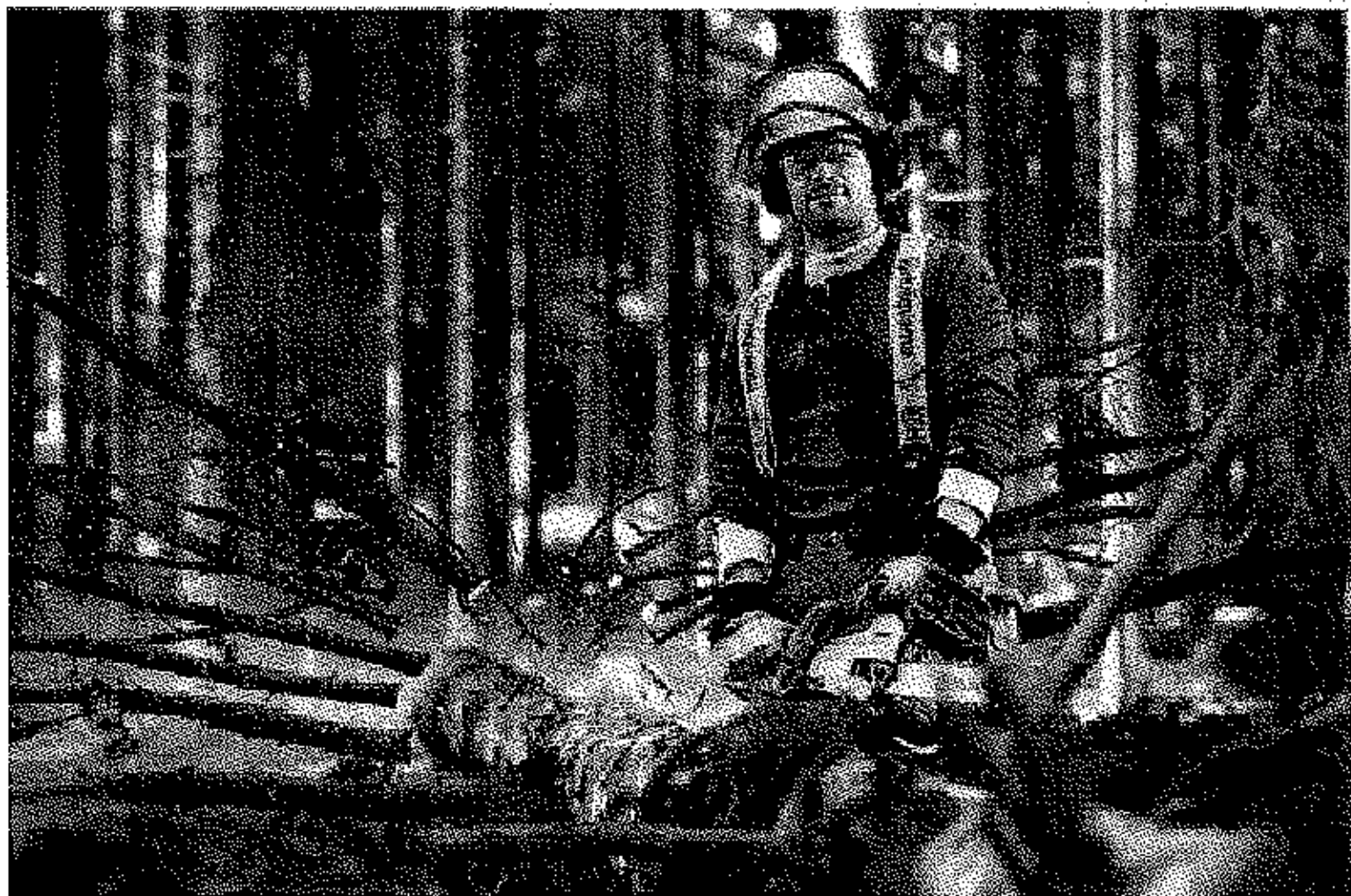
We heard you loud and clear at every stage of development of the all-new C Series wheel feller buncher. The result is a machine with significant advances in fuel efficiency, serviceability and power. We moved the engine to the back for rock-solid stability. We designed a new engine to generate more power and burn less fuel. And we put everything in reach. The C Series is the first and only wheel feller buncher truly serviceable at ground level. Yes, you can even refuel with your boots on solid ground.

We're focused on listening to you and developing machines, like the C Series wheel feller buncher, that will keep your business strong for generations to come.

www.cat.com/forestry



Husqvarna

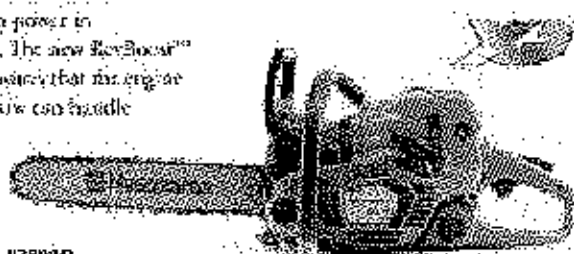


**Slimmed down and powered up.
Explore the new Husqvarna 562 XP.[®]**

The new Husqvarna 562 XP combines sleeker, beautiful design with impressive performance.

An advanced version of our unique X-Torq[®] engine technology produces high power in combination with up to 28% less fuel consumption and up to 60% less emissions. The new KeyBlock[™] feature makes de-barking more efficient, and AutoTune[™], another new feature, ensures that the engine always runs perfectly. Plus, with a large air filter and capacity for 28" saw bars, this saw can handle difficult duties in demanding conditions.

Additionally, the saw's low weight, reduced vibration and new handle design make it highly maneuverable and easy to operate.



See this 562XP in action at 2012 GIE Expo, Indoor Booth #5094, Outdoor Booth #78010.

Copyright © 2012 Husqvarna. All rights reserved. Husqvarna, the Husqvarna logo and KeyBlock are trademarks of Husqvarna AB. All other trademarks are the property of their respective owners.

<http://bit.ly/CHAINSAW>



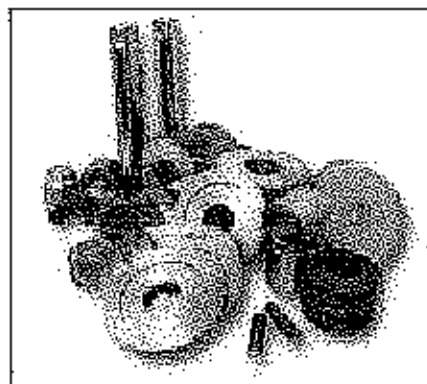
Mid-Atlantic Expo Exhibitors

AXIS Capital

300-12 Treybrooke Cr.
Greenville, NC 27834
(252) 341-8348
Web: axiscapitalinc.com
Expo location: TB-3

Aftermarket Parts

150 Market St.
New Bern, NC 28560
(252) 633-2155
Web: rightparts.com
Expo location: TB-7



Celebrating 40 years in the forestry equipment parts business, Aftermarket Parts, Inc. has the experience and knowledge that is rare in today's marketplace. We supply parts for many brands of machines and components, including John Deere, Timberjack, Franklin, Tree Farmer, Tigercat, Ranger, Prentice, Escro, Gearmatic, New Process, Rockwell and more. We take pride in our parts; they meet or exceed OEM quality and we stand behind every part we sell—all without the high OEM dealer prices.

As a worldwide supplier, we provide hundreds of independent distributors with quality parts and superior service. Our distributors have the flexibility of accessing our inventory for price and availability 24/7 via our web site. This allows customers to get parts and get back to work quickly.

If you are interested in saving time and money, stop by our booth and let us refer you to the Aftermarket Parts distributors in your area.

Alliance Tires

800 Waterson Curve
Trussville, AL 35173
(205) 322-7001
Web: atgtire.com
Expo location: S-5

Bandit Industries

6750 Millbrook Rd.
Remus, MI 49340
(800) 952-0178
Web: banditchippers.com
Expo location: L-2



Bandit equipment is favored by logging companies and biomass plants the world over thanks to unbeatable production, exceptional consistency, quality of the end product and legendary reliability. Many customers who switch to Bandit soon find that biomass plants and other customers are willing to pay a premium to get the sized, dimensional chips from Bandit machines. With Beast horizontal grinders you can create mulch, wood chips or bio-sawdust—a ¼-inch minus product ideally suited for pellet production. Our machines are in operation around the world, processing everything from hardwood to switchgrass and the end results are always the same—high production, high quality products and industry-leading levels of durability, reliability and dependability.

Learn more about our machines, see our #42 banditchippers.com NASCAR Sprint Cup car and register for a free vacation courtesy of getmorevacations.com at the Mid-Atlantic Logging & Biomass Expo.

Barko Hydraulics

(See John Woodie Enterprises)

Big John Trailers

10514 U.S. Highway 1
Folkston, GA 31537-4808
(912) 282-2105
Web: bigjohntrailers.com
Expo location: TT-1



Big John Trailers will be exhibiting two of its most popular log trailer models along with the patented Kodiak

Series 3 loader/delimer trailer.

Model 42LPRC-81/L, Full Load Series Plantation Trailer, weighs 10,240 lbs. with 11R-24.5 tires and steel unimount wheels. The drop-deck design allows for maximum payload. The first and second bolsters are 102 inches wide and the third and fourth bolsters are 96 inches wide to allow for standard track axles and provide less tare weight. The drop deck section has an 8 inch recess to allow for additional clearance during unloading. It can be modified to haul cut-to-length logs by use of a "riser" placed on the second bolster.

The model 42RC-8FT., Full Load Series Four Bolster Trailer weighs 9,500 lbs. with 11R-24.5 tires and steel unimount wheels. Its 102 inch wide design and 8 inch recess center section will accommodate both treelength and cut-to-length logs. Both models come standard with drag load bars on the rear bolster as well as a grapple grabber on the bumper. Many options are available for either design. Big John log trailers are backed with a 2 year frame warranty. Customers purchasing the Big John Full Load Series trailers have reported gains of between two to six tons of net payload over their previous trailers.

Also on exhibit will be the only patented hydraulic landing gear loader/delimer trailer on the market. The Kodiak Series 3 loader/delimer trailer is manufactured exclusively by Big John Trailers.

Bowen, Inc.

7026 Dry Bread Rd.
Lawrenceville, VA 23868
(434) 577-2831
Expo location: TG-3

Bullock Brothers Equipment Co.

1323 W. Market St.
Smithfield, NC 27577-3340
(919) 934-1174
Web: bullockbrothers.com
Expo location: L-6

Bullock Brothers Equipment Co. was established in 1987 as a single line forestry equipment dealer located in Smithfield, NC by John and Landis Bullock. As a full service distributor, Bullock Brothers Equipment Co. has had excellent growth over the years and has seen many changes in the industry. As a Tigercat distributor for sections of North Carolina, Virginia and Maryland,

Mid-Atlantic Expo Exhibitors



Bullock Brothers represents the entire Tigercat product line and supports the equipment with full service from locations in Smithfield and Roanoke Rapids, NC and their newest location in Dillwyn, Va. Other manufacturers represented are Barko, CSI, Cummins, Pitts Trailers, Big John Trailers, Rotobac grapples and Northshore Manufacturing. John and Landis have an excellent knowledge of the forestry industry and enjoy building relationships with their customers.

CRTS, Inc.

3301 Integrity Dr.
Garner, NC 27529
(919) 773-4000
Web: crtinc.com
Expo location: TT-4



CRTS is the Peerless trailer dealer in the Carolinas and Virginia. From humble beginnings in 1971, CRTS has grown into one of the largest and most trusted semi-trailer dealerships in the Southeast. We carry the full Peerless line, including in-woods chip trailers, walking floor trailers and drop center chip trailers.

Our sister company, Commonwealth Trailer Rental, also rents and leases these trailers by the day, week, month or year. With six locations to serve you, we will exceed your expectations by providing professional service at every level in our organization, from our large parts inventory to our full service state-of-the-art shop facilities, to rental and leasing, or financing to suit your specific needs, and by providing new and used trailer equipment that is second to none.

CTR

(See Caterpillar Forest Products)

Caribou Software

P.O. Box 6421
Hinton, AB T7V 1X7 Canada
(706) 749-1541
Web: caribousoftware.com
Expo location: TB-20

Caribou Software provides software to logging and timber companies to help

them manage their business more efficiently and profitably. Our easy-to-use load ticket tracking software lets you generate professional-looking pay statements for landowners, contractors and employees. Enter the tickets once and the software takes care of putting those loads on the proper pay statements with the proper rates. It's easy to monitor your production and deliveries by mill, crew, etc., and to reconcile revenue receipts.

We also have an equipment maintenance tracking system to help you maximize the up-time of your trucks and equipment. Mechanics love having all their machine and parts usage history available at their fingertips, and they can generate valuable reports to help owners make more informed buy-versus-repair decisions.

At Caribou, we thrive on providing efficient technology tools with good old-fashioned service. Visit our tent booth for a software consultation and demo.

Carolina Forestry

314 W. Millbrook Rd.
Raleigh, NC 27609
919-510-4663
Web: carolinaforestry.com
Expo location: TB-11

Carolina Machinery Sales

5919-A Stockbridge Dr.
Monroe, NC 28110
(704) 288-1904
Web: carolinamachinerysales.com
Expo location: TB-16



Carolina Machinery Sales (CMS) is a used equipment dealer that specializes in woodworking, forestry, sawmill and pallet machinery. CMS buys and sells equipment and also works on consignment, brokering, liquidations and auctions. CMS sells equipment globally, but our primary area is in the eastern USA, with offices in North Carolina and New York. The representatives at CMS specialize in different areas of the wood industry and offer their knowledge to customers on a daily basis.

Caterpillar Forest Products

P.O. Box 469
Raleigh, NC 27602
(919) 815-8970
Web: cat.com
Expo location: L-5



New Caterpillar and Prentice wheel-type feller buncher families will be introduced. The completely redesigned C Series has advances in performance, reliability and serviceability, and is the first and only wheel-type feller buncher that truly can be serviced at ground level, including fueling.

The new Cat C7.1 ACERT engine delivers more power and burns less fuel. New technology, PowerDirect Plus, optimizes machine performance in all functions, including saw recovery. Simultaneous lift-tilt and lift-steer functions are over 60% faster than major competitive machines.

Caterpillar's revolutionary design moves the engine to the back of the machine, with the weight evenly distributed over the rear axle for rock-solid stability. Large hinged doors on three sides and at the bottom of the compartment provide ground-level access to the engine, hydraulic pumps and all key components.

A new SH-56B high capacity bunching saw will be shown, featuring Caterpillar's patented Strait Grip bunching finger and no-pinch-point tower.

North Carolina Caterpillar dealer Pioneer Gregory Poole Equipment will share the Caterpillar Forest Products site and display construction equipment, trailers and generators while also operating a Peterson 4300 whole tree chipper.



Mid-Atlantic Expo Exhibitors

Chain Saw Collectors

11321 Rodophill Rd.
Amelia Court House, VA 23002
804-822-2751
Expo Location: SP-1



David Harsh will display and occasionally operate several antique chain saws from his impressive collection.

Chemsearch RLS

P.O. Box 152170
Irving, TX 75015
(800) 527-9921
Web: nch.com
Expo location: TB-15



Chemsearch Reliable Lubrication Solutions is a leading global provider of industrial maintenance and lubrication solutions. Founded in 1919, Chemsearch has served over 90 years as a leader in industrial maintenance and lubrication. We offer over 450 superior-quality products to customers in 55 countries around the world. Through highly trained local representatives, Chemsearch customers receive patented technologies and the highest quality lubrication products including solid lubrication, fluid lubrication, and aerosol specialty lubricants.

Chemsearch offers a variety of products to improve equipment reliability and reduce downtime. They include

lubricants, industrial specialty solvents, fleet maintenance products, fuel treatment and degreasers.

Stop by our table to view demonstrations of our superior-quality products and enter a drawing for a chance to win great prizes.

Cleanfix Reversible Fans

90 Linton Ave.
Stratford, ON N5A 2S3 Canada
(519) 275-2808
Web: cleanfix.org
Expo location: TB-26

Colony Tire

1415 N. Broad St.
Edenton, NC 27932
(252) 514-3402
Web: colonytire.com
Expo location: S-1

Cooper Kenworth, Inc.

P.O. Box 1396
Durham, NC 27702
800-672-0069
Web: coopertrucks.com
Expo location: TT-2



Cooper Kenworth sets the standard in North Carolina, having served the state's forest industry for more than 38 years. With locations in Durham, Raleigh, Rocky Mount, Clinton, Wilmington, Greensboro, Concord, Charlotte, Hickory and Asheville, the Cooper Kenworth family salutes the North Carolina Association of Professional Loggers.

Cutting Systems Inc.

774 Zeb Rd.
Union Grove, NC 28689-9148
877-844-1274
Web: cuttingsys.com
Expo locations: L-4, L-6

Davis-Garvin Agency, Inc.

P.O. Box 21627
Columbia, SC 29221
803-732-0060
Web: davisgarvin.com
Expo location: TB-5



DAVIS-GARVIN
INSURANCE AGENCY

Do you have the right insurance coverages at the right price?

Davis-Garvin Agency is a full service insurance agency incorporated in 1981. Headquartered in Columbia, SC, we have branch offices throughout the Southeast. As an independent insurance agent, we have access to a wide variety of insurance companies and specialty markets to take care of your unique business. Through our 38 employees, we offer a full range of insurance products and services, including commercial lines, employee benefits and personal lines.

We work with all participants in the forest products industry, including logging contractors, mills, landowners and consulting foresters. In addition, we have developed several specialty programs, including hunt club liability, timberland liability, standing timber and reforestation insurance. Protect your business and personal assets. Call Chris Daves, 1-800-845-3163. Our hunt club and timberland liability programs are proudly endorsed by the North Carolina Forestry Association.

Ditchwitch Of The Carolinas

(See Bandit Industries)

Dyna Sales And Service

6228 60th Ave.
Elyria, OH 44631
888-820-3962
Expo location: FW-1

Fastenal

8124 Statesville Rd.
Charlotte, NC 28269
704-631-9207
Web: fastenal.com
Expo location: TB-13

Feree Trailer

5806 York Martin Rd.
Liberty, NC 27298
336-708-1586
Expo location: TT-3



BIG DECISIONS MADE EASY.

THE WORLD'S EQUIPMENT MARKETPLACE.

Established in 1958, Ritchie Bros. Auctioneers now sells billions of dollars of equipment and trucks every year. When you need to buy or sell forestry equipment, let us do what we do best – simplify the process for you. Because we're more than just an auctioneer – we're your industry expert, with the size and know-how to give you the best experience possible.

Ritchie Bros. – it's one of the easiest decisions you'll ever make.

Statesville, NC 704.873.6633 | rbauction.com

Moving to a new site in Raleigh-Durham in mid-2012

rb **RITCHIE BROS.**
Auctioneers

LET'S BUILD THE WORLD

Visit us in the tent at booth #4

RBA
LISTED
NYSE



Mid-Atlantic Expo Exhibitors

First Carolina Agency

P.O. Box 1833
Roanoke Rapids, NC 27870
252-532-3986
Web: firstcarolinaagency.com
Expo location: TB-2

First Carolina Agency is a locally owned agency recently endorsed as carrier for the North Carolina Association of Professional Loggers. PSC is also the endorsed carrier for the NC State Firemen's Association and the NC Association for Rescue and EMS. In addition, First Carolina Agency offers health, disability, dental, life and Aflac policies.

Forestry Mutual Insurance Co.

P.O. Box 19467
Raleigh, NC 27619
(919) 880-1006
Web: forestrymutual.com
Expo location: SP-5



FORESTRY MUTUAL

Forestry Mutual Insurance Company has been providing high quality insurance to the timber and wood products industry for 40 years. Operating in North Carolina, South Carolina, Tennessee and Virginia, Forestry Mutual emphasizes safety, loss control, competitive pricing and professional service to our customers. We are proud to support and be a part of the forest industry.

Forestry Parts Resource

329 Hopewell Dr.
Forsyth, GA 31029
478-550-2330
Web: forestrypartsresource.com
Expo location: S-4

GCR Tires

6853 Ward Blvd.
Wilson, NC 27893
(252) 243-0444
Web: gcartires.com
Expo location: S-7

Goodson's All Terrain Logging

173 Goodson Trail
Jacksonville, NC 28546
(910) 347-7919
Expo location: SP-6
Goodson's All Terrain Logging, Inc. (ATL) is a family owned and operated



business. Featured on the Discovery Channel's hit reality show, *Swamp Loggers*, our crew is made up of highly skilled, hard-working men and women who know how to get the job done right. We invite you to stop by to meet the crew and get your official ATL merchandise!

We will have a full selection of products to choose from, including hats, short-sleeve t-shirts, long-sleeve t-shirts, and sweatshirts in a variety of styles and colors. (Sizes run from children's small to adult 3XL). We look forward to meeting you!

Gore's Military

P.O. Box 2
Carolina Beach, NC 28428
910-279-4697
Expo location: TG-5

Halifax Linen

P.O. Box 129
Roanoke Rapids, NC 27870
252-537-2565
Web: halifaxlinen.com
Expo location: SP-4

Hatton-Brown Publishers, Inc.

P.O. Box 2268
Montgomery, AL 36102
334-834-1170
www.hattonbrown.com
Expo location: LC-1

Founded in 1948, Hatton-Brown publishes the forest industry's leading trade magazines in *Timber Harvesting*, *Southern Loggin'*, *Times*, *Timber Processing*, *Wood Bioenergy* and *Panel World*—all known for their unmatched editorial integrity and superb circulation quality control. Through its subsidiary, Hatton-



Brown Expositions LLC, the company also sponsors conferences and trade shows, one of which is Timber & Biomass Expo Southeast, scheduled for the spring of 2013 at a yet-to-be announced site in Alabama or Georgia.

Helen Adkins Art

5501 Highway 90
Clairfield, TN 37715
423-784-4592
Expo location: TB-19

Husqvarna

9335 Harris Corners Pkwy.
Charlotte, NC 28239
(800) 448-7543
Web: husqvarna.com
Expo location: S-2



Husqvarna has developed two new professional chain saws, the new 555 and 562 XP, which will challenge the way the industry classifies best-in-class.

The slimmed-down height and width of the saws' chassis makes them easier to handle in almost any application. Distance between the front and rear handles has been optimized for efficient, comfortable operation. The design also incorporates a lowered front handle with an over-mold grip. The 555 and 562 XP take advantage of Husqvarna's revolutionary reduced gyro force technology. By reducing the weight of the saws' key moving parts there is less interior movement in the engine, which creates less gyration. These features provide for the ultimate in control.

Available on the 562 XP is the latest breakthrough feature from Husqvarna, Revboost, which allows for acceleration in chain speed over short periods to increase efficiency during cutting, specifically in delimbing. Revboost is controlled by the ignition and enables users to increase to maximum RPMs for about two seconds. It is designed to provide an optimum ratio of power to RPMs without having the engine run wide open for extended periods of time. To make field maintenance easier, both new saws come with captive bar nuts that remain attached to the clutch cover.

James River Equipment

(See John Deere)

Mid-Atlantic Expo Exhibitors



Job Ready Services

2300 Westinghouse Blvd.
Suite 107

Raleigh, NC 27604

(919) 256-1400

Web: jobreadyservices.net

Expo location: T8-4

Don't hire your next worker's comp claim! Make sure your new hires are physically able to do the job and don't have pre-existing conditions that put them at risk of injury. Job Ready Services provides post-offer employment testing to ensure a safe and physically fit workforce, increasing productivity and reducing costs. The average worker's comp claim in North Carolina is \$42,000. If you are able to negate the hire of just one worker's comp claim, you have more than paid for the cost of testing your employees! In just the first year of testing, employers will save from 50 to 80% in worker's comp and disability costs.

We also offer fit-for-duty testing, work conditioning, functional capacity evaluations and job/ergonomic analyses. Let Job Ready show you how

to prevent the hiring of your next worker's comp claim and/or help you reduce the cost of the claims you have now.

John Deere

1515 5th Ave.

Moline, IL 61265

(309) 781-7937

Web: johndeere.com

Expo location: L-4

John Deere will introduce two new options for its 700J Series track-type feller-bunchers: the U7 undercarriage "big bottom" with 36-inch pads for the 753J and FR21B high-rotation felling head option for both the 753J and 759J Series models. It will also showcase a 437D knuckleboom, 648L and 848L grapple skidders, 643K and 843K wheel-type feller-bunchers and a 2154D live-heel loader, among other machines and attachments.

The company will also provide a special attraction for young children, host a Log A Load for Kids fundraising event and have Deere clothing and other gear available for purchase.



Reduce Your Fuel

Cost!

Reduce Emissions!

Extend Engine Life!

Stop Wasting Fuel!!

Finally there is a complete fuel treatment that really works! Xtreme Fuel Treatment has 20 years of proven results with large mining companies all over the world! Works in gas or diesel.

Low Dosage: 1 gallon treats 10,000 gallons

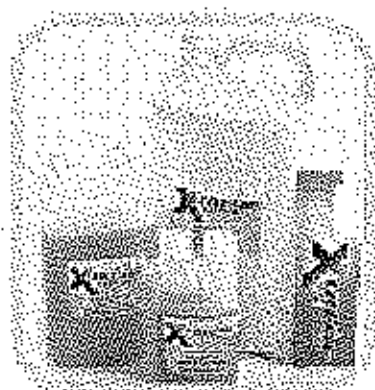
Test Results: 7-8% Minimum Savings

Join other companies that are saving from 7-13% on their fuel cost!

Come by our booth and learn how you can save!



Come see our race car on Saturday!



Calvin Pippin

919-632-5748

www.XFTFuelSaver.com



Mid-Atlantic Expo Exhibitors

John Woodie Enterprises

1836 Shelton Ave.
Statesville, NC 28677
704-878-2941
Web: jweinc.com
Expo location: SP-7

L. I. Johnson, Inc./Wilson Clearing & Mulching

785 Gardner Rd.
Four Oaks, NC 27524
(919) 625-5157
Expo location: SP-8

L.I. Johnson, Inc. and Wilson Clearing & Mulching will showcase their mulching equipment, which was used to improve access roads and groom the Mid-Atlantic Expo site. The companies have mulching machines ranging in size from skid steers to large excavators. The skid steer is a highly portable machine capable of mulching 8-inch diameter trees and brush. The excavator has a second engine that powers the cutterhead and is capable of mulching 36-inch trees. We also have a third machine that is about the size of a D5 dozer that rides on rubber and steel tracks. It is capable of mulching 18-inch trees and is a low ground pressure machine.

Lilly International/Pitts Trailers

P.O. Box 670
Williamston, NC 27890
252-792-4192
Web: lillyinternational.com
Expo location: TT-7

Maxiload Scales

133 Highland Park Rd.
Brunswick, GA 31523
(912) 265-1486
Web: maxiload.com
Expo location: TG-1

Mayberry Safety Solutions

1005 S. Lebanon St.
Mt. Airy, NC 27030
336-429-5351
Web: safetysolutions.com
Expo location: TB-1

Mid-Atlantic Stihl

315 Executive Court
Hillsborough, NC 27278
(919) 643-4006
Web: stihl.us
Expo location: TG-2

Morbark Inc.

(See John Deere)

Multitek

P.O. Box 170
Prentice, WI 54556
(715) 490-4450
Web: multitekinc.com
Expo location: FW-2

NC Agromedicine Institute

1157 VOA Site C Road
Greenville, NC 27834
919-880-4225
Web: ncagromedicine.org
Expo location: SP-3

NC Association Of Professional Loggers

(919) 271-9050
Web: ncloggers.com
Expo location: LC-2



As one of the three primary sponsors of the Mid-Atlantic Logging & Biomass Expo, the NCAPL expects its members will be pleased with the quality and quantity of equipment and support companies serving the region's loggers. The NCAPL offers more than 15 benefit programs and services for loggers. Stop by to see how you can save!

NC Department Of Labor

1101 Mail Service Center
Raleigh, NC 27699
(919) 807-2896
Web: labor.nc.gov
Expo location: TB-25

NC Forestry Association

1600 Glenwood Ave.
Raleigh, NC 27608
919-834-3943
Web: ncforestry.org
Expo location: LC-3

Since 1911, the North Carolina Forestry Association (NCFA) has promoted public policy that encourages healthy, productive forests as well as a vibrant forest products industry. The NCFA recognizes that the key to healthy



forests and a vibrant forest products industry is private property rights.

The NCFA seeks to support all of these initiatives through its outreach work with the North Carolina General Assembly, the forest products industry in terms of professional training, education programs for landowners and public education programs with school children and teachers.

The NCFA's ProLogger program trains close to 1,500 loggers annually on key safety and environmental issues, fulfilling an education requirement for Sustainable Forestry Initiative (SFI) companies. The NCFA's current membership includes over 4,000 constituents that range from small private landowners to large corporations.

NC Forest Service

1616 Mail Service Center
Raleigh, NC 27669
919-857-4801

Expo location: TB-24

The North Carolina Forest Service can serve your BMP and logging needs as follows: free portable bridge mats to borrow when crossing streams or ditches; in-woods BMP training for your entire logging crew; pre-harvest planning advice, guidance, and hands-on assistance; handbooks, pocket guides, reference manuals, and other publications; BMP/water quality site inspections while your job is ongoing; advice, site evaluation, and sign-off for site rebar and closure; follow-up with the landowner for reforestation assistance; and affordable, quality, native North Carolina-grown tree seedlings from local seed sources.

Locate your county or district office and obtain additional information at www.ncforestservice.gov.



NC SFI-SIC

1200 N. 23rd St., Suite 201
Wilmington, NC 28405
910-815-4320
Expo location: TB-17



SUSTAINABLE FORESTRY INITIATIVE
Good for people. Good for our forests.

The Sustainable Forestry Initiative® (SFI®) program is an independent, non-profit, charitable organization with a science-based, internationally

Make The Switch

Watch it Grind!
Live Chipping Space #2

(Without Switching Machines)

320-548-3586

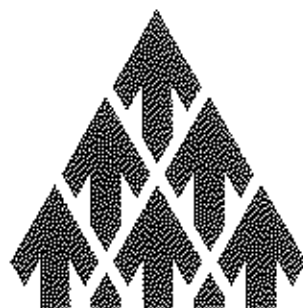
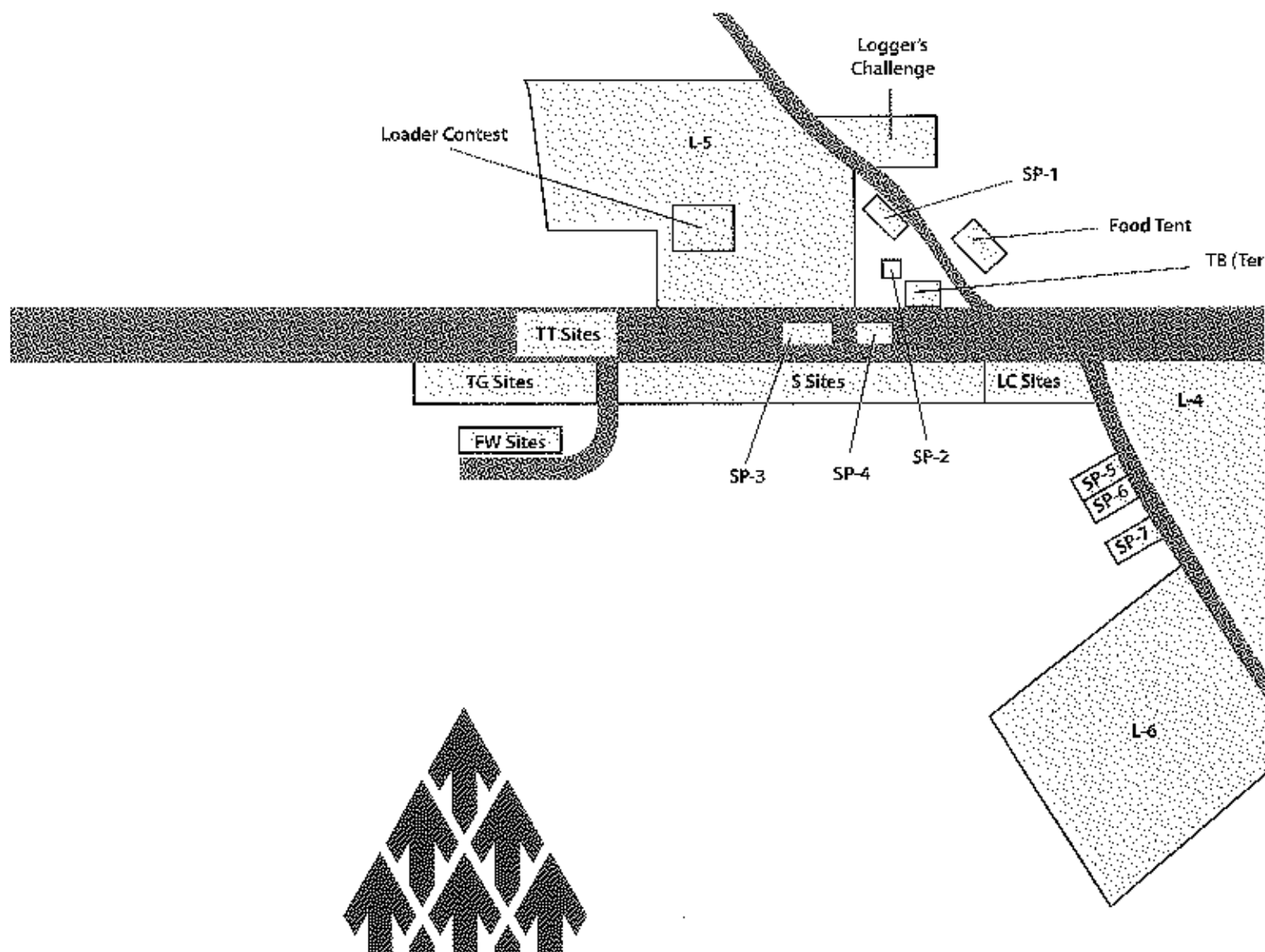
www.rotachopper.com



"Perfect In One Pass"™

- Switch from a shredded mulch product to a short fiber material quickly and easily without the hassle of chaper knife maintenance, conversion kits, or interchangeable rollers.
- Switch from tires to tracks in minutes—just drive on and drive off the transport dolly.
- Switch from grinding whole trees to wood chips to railroad ties to slabs to sorted C & D with a single machine.

Stop by the Rotachopper demo site in Live Chipping Space #2 to learn how you can maximize the value of your wood fiber with the "Perfect In One Pass"™ advantage.



MID-ATLANTIC

LOGGING & BIOMASS EXPO

← ----- To Salma/Smithfield

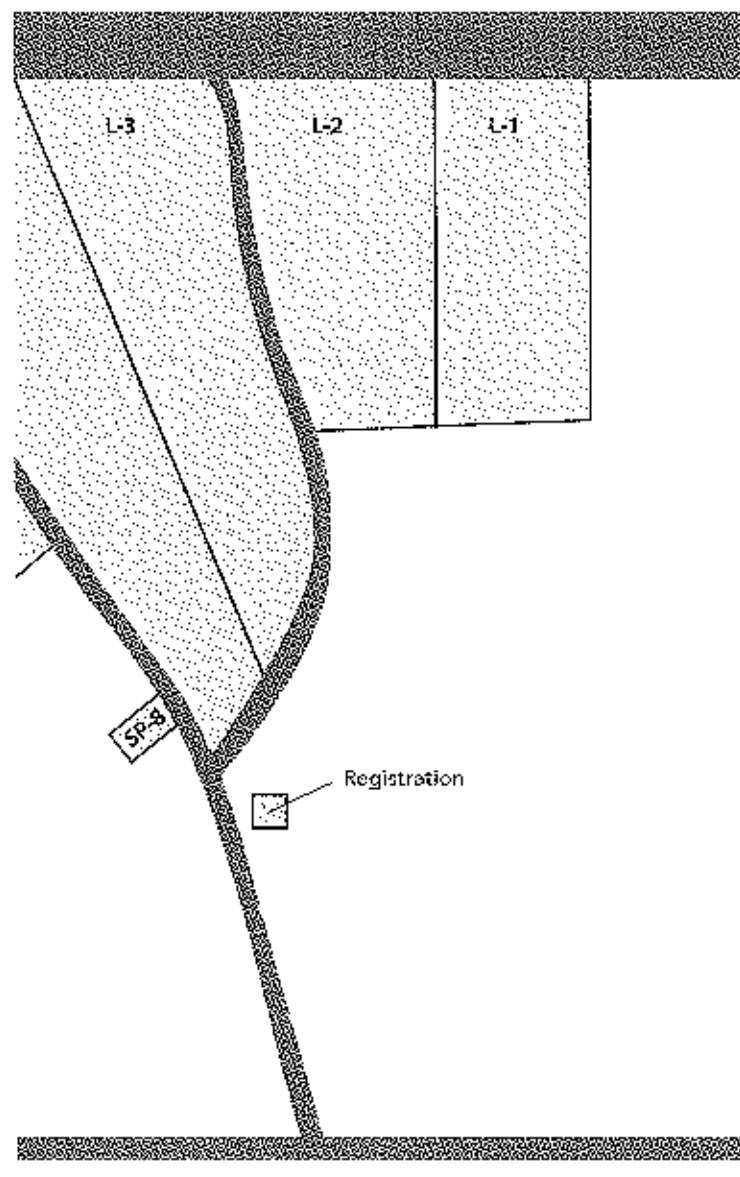
(Exhibitors as of September 19)

AXIS Capital	TB-3
Aftermarket Parts	TB-7
Alliance Tires	S-5
Bandit Industries	L-2
Big John Trailers	TT-1
Bowen	TG-3
Bullock Brothers	L-5
CRTS	TT-4

CTR	L-5
Caribou Software	TB-20
Carolina Forestry	TB-11
Carolina Machinery Sales	TB-16
Caterpillar Forest Products	L-5
Chain Saw Collectors	SP-1
Chemsearch RLS	TB-15
Cleanfix Reversible Fans	TB-20
Colony Tire	S-1
Cooper Kenworth	TT-2

SITE MAP

11 Booth) Spaces



Cutting Systems	L-4, L-6
Davis-Garvin Agency	TB-5
Ditchwitch Of The Carolinas	L-2
Dyna Sales And Service	FW-1
Fastenal	TB-13
First Carolina Agency	TB-2
Ferna Trailer	TT-3
Forestry Mutual Insurance	SP-6
Forestry Parts Resource	S-4
GCR Tires	S-7

Goodson's All Terrain Logging	SP-6
Gore's Military	TG-5
Halifax Linen	SP-4
Hatton-Brown Publishers	LC-1
Helen Adkins Art	TB-19
Husqvarna	S-2
James River Equipment	L-4
Job Ready Services	TB-4
John Deere	L-4
John Woodie Enterprises/Barko Hydraulics	SP-7
L. J. Johnson, Inc./Wilson Clearing & Mulching	SP-8
Lilly International/Pitts Trailers	TT-7
Maxload Scales	TG-1
Mayberry Safety Solutions	TB-1
Mid-Atlantic Stihl	TG-2
Multitek	FW-2
NC Agromedicine Institute	SP-3
NC Association Of Professional Loggers	LC-2
NC Department Of Labor	TB-25
NC Forestry Association	LC-3
NC Forest Service	TB-24
NC SFI-SIC	TB-17
NC State Highway Patrol	(Roaming)
Olofsons-EcoTracks	S-3
PalFleet Truck Equipment	TG-6
Pinnacle Trailers	TT-5
Pioneer Gregory Poole	L-5
Pippin Enterprises	TG-4
Prentice	L-5
Quadco	S-6
Quarles Fuel	TB-12
R. W. Moore Equipment	L-4
Ritchie Brothers	TB-6
Rotechopper	L-1
Royal Oil/Maxco	TG-7
SVE Portable Roadway	TB-8
Southeastern Agency Group/Bituminous	TB-9/10
SC Timber Producers Association	LC-4
Swamp Loggers/Goodson's All Terrain Logging	SP-6
Tigercat Industries	L-6
TimberPro	SP-7
Triple T/Freightliner/Western Star	TT-6
U. S. Blades	TB-14
Virginia Loggers Association	LC-5
Vermore Mid Atlantic	L-3
Waratah	SP-2
WoodMaxx Blades/Kasco	TT-18



Mid-Atlantic Expo Exhibitors

recognized forest management standard developed specifically for North America. The SFI program is based on the premise that responsible environmental behavior and sound business decisions can coexist to the benefit of communities, customers, and the environment, today and for future generations.

The SFI Standard promotes sustainable forest management, with measures to protect water quality, biodiversity, wildlife habitat, species at risk, and Forests with Exceptional Conservation Value. More than 2,500 individuals and organizations are meeting the tough SFI requirements, strengthening forest practices and fiber sourcing. They include forest products companies, industrial and family forest owners, conservation groups, universities, public agencies, manufacturers, retailers, printers, resource professionals and many others who share a passion for responsible forest management.

The North Carolina Sustainable Forestry Implementation Committee works across the state to carry out the mission of SFI through its logger training program, landowner outreach, information sharing and partnership development.

NC State Highway Patrol

4702 Mail Service Center
Raleigh, NC 27669
919-715-8683
Expo location: (roaming)

Olofsfors-EcoTracks

22 Morton Ave. E
Brantford, Ontario N3R 1J7 Canada
(519) 754-2190
Web: olofsfors.com
Expo location: S-3



Founded in 1762, Olofsfors is the world leader in tracks for rubber-tired forestry equipment.

ECO-Wheel Tracks are an economical alternative to conventional tire chains. ECO-Wheel Tracks provide numerous benefits over chains, including excellent

traction, less maintenance and extended tire life. Chains? No comparison.

There are no limits for operators with the right tracks—Eco-Tracks, that is. Olofsfors offers a wide range of track models and linkage systems for various machine configurations and ground conditions. ECO-Tracks, the name you can trust!

Personnel on site: Garet Robinson, Track Product Manager; Gerry Mallory, General Manager; and Kevin Disher, Regional Sales Rep, NE US/Eastern Canada

PalFleet Truck Equipment Co.

1401 Trailer Dr.
Charlotte, NC 28221
800-201-4277
Web: palfleet.com
Expo location: TG-6

Peterson Corp.

(See Caterpillar Forest Products)

Pinnacle Trailers

5510 Hwy 421 N.
Wilmington, NC 28401
(800) 513-9373
Web: pinnacletrailers.com
Expo location: TT-5



Pinnacle Trailer Sales, Inc. has over 12 years of experience in the wood products industry. We have two locations to service the Southeast, one in Wilmington, NC and another in Spartanburg, SC. We are a dealer for Innovative (ITL) in-woods, open top, drop center (possum belly) and live floor chip trailers. Innovative is a leader in the industry, building the durable and lightweight chip trailers, and is the trailer of choice for most in-woods chipping businesses in the Southeast.

Pinnacle is also a McLendon log and lowboy trailer dealer. McLendon focuses on building a lightweight trailer with low maintenance costs.

Pinnacle will be **GIVING AWAY AN IPAD 2** and many other exciting items.

Pioneer Gregory Poole Equipment

(See Caterpillar Forest Products)

Pippin Enterprises

2816 Stonewalk Court
Zebulon, NC 27597
(919) 632-5748
Expo location: TG-4



Xtreme Fuel Treatment—Pippin Enterprises is excited to introduce Xtreme Fuel Treatment to the Mid-Atlantic region. After 20 years of bulk distribution to the worldwide mining industry, XFT is now available to companies of all sizes. Xtreme Fuel Treatment is reducing fuel consumption in all kinds of equipment, extending engine life and improving performance. XFT is a patented, comprehensive fuel technology solution that includes multiple ingredients needed to make engines run smoother, more efficiently and produce less pollution in a single low-dose concentrate. Mix Ratio: 1 to 10,000 parts. Minimum Fuel Savings: 7%+.

Four Key Benefits—1) Increases fuel mileage; 2) Prolongs engine life; 3) Reduces engine wear; 4) Improves vehicle performance and horsepower. Learn more by visiting the Pippin site or visit www.xftfuelsaver.com.

Prentice

(See Caterpillar Forest Products)



For over 60 years, you have counted on Prentice for the most reliable and durable products in the industry. Prentice is continuing that legacy with the 2384 B Series knuckleboom loader. Visit the Prentice Loader Championship to see the 2384B in action and to compete to win the coveted Loader Champi-

Mid-Atlantic Expo Exhibitors



onship jacket and trophy.

The Loader Championship will run all day October 7 and from 8 a.m. to 1:30 p.m. on October 8, with the Trophy Run at 2 p.m. Participants may register to compete anytime during show hours. There is no registration fee, however, a \$5 donation for Log A Load For Kids is requested. Caterpillar Forest Products will match the amount collected from contestants.

Quadco

169 Industrial Dr.
Lexington, SC 29072
803-951-1951

Web: quadco.com

Expo location: S-6

Quadco offers a full line of felling and harvesting heads. High speed heads are available in 20, 22 and 24 in. maximum cut capacity. Intermittent models range from 24 to 29 in. maximum cut capacity. All models come with the Quadco Tooth System and are available in 40 or 360 degrees rotation.

Quadco is the exclusive distributor for KETO heads in both North and South America. Keto offers 5 models: K51, K100, K150, K600T5 and KB25TS. KETO heads feature a unique track feeding system that assures excellent traction on logs and best accuracy for measuring.

Quarles Fuel

15427 Brandy Rd.
Culpepper, VA 22701
919-600-9403

Web: quarlesinc.com

Expo location: TB-12

R. W. Moore Equipment Co.

(See John Deere)

Ritchie Brothers

2718 Salisbury Highway
Statesville, NC 28677
(704) 873-6633

Web: rbauction.com

Expo location: TB-6

Ritchie Bros. Auctioneers is the world's largest industrial auctioneer. The company conducts hundreds of unreserved public auctions each year, selling billions of dollars of forestry, construction, transportation and other equipment. Ritchie Bros. conducts regular auctions at 43 auction sites worldwide, including Statesville, NC. Ritchie Bros. recently began construction of a new 107-acre auction site in Raleigh-Durham that is expected to open in 2012 and replace the Statesville site.

Ritchie Bros. auctions are open to the public. Interested buyers can bid in person, online in real time or by proxy. An average auction features more than 1,200 equipment items from 175 consignors and attracts close to 1,500 local, national and international bidders. Sellers benefit from flexible contract options and all-inclusive service: comprehensive global marketing, facilitating inspections by prospective buyers, secure equipment storage and display, and handling collections and disbursements.

TAKE AIM on Timber Harvesting Risks

Bituminous knows the forest products business.

For more than 70 years, we have been providing the insurance protection and responsive services needed for timber harvesting risks. Workers compensation, general liability, auto and property coverages are offered at affordable prices, along with the safety and security of a financially sound & rated company.

Bituminous can give you the comprehensive insurance coverages you need and the effective service you want. That's what we deliver best — service, from people who know and care about your business. Our business is knowing your business, so we can respond to your needs today — and those of tomorrow.

Contact your local independent agent for all the facts.



Member of the Old Republic Insurance Group

FULL SERVICE BRANCH OFFICES:

Atlanta 1-800-822-2905
Baltimore 1-800-344-6108
Charlotte 1-800-642-2507

Home Office: Rock Island, Illinois 61201
Phone 1-800-975-4477 www.bituminousinsurance.com

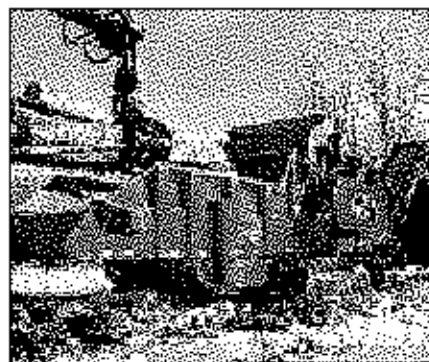
Custom-designed Programs



Mid-Atlantic Expo Exhibitors

Rotochopper

217 West St.
St. Martin, MN 56376
320-548-3586
Web: rotochopper.com
Expo location: L-1



Rotochopper, Inc. manufactures an extensive lineup of grinding equipment for producing biomass fuels, colored mulch, animal bedding and other value-added commodities. Stop by the Rotochopper exhibit to see a B-66 horizontal grinder up close and in action.

Highly versatile, the B-66 offers "Perfect In One Pass" grinding efficiency for processing whole trees, slabs, wood chips and many other wood fiber sources. Featuring an exclusive replaceable mount rotor, the B-66 can switch from a shredded mulch type product to short fiber material without the hassle of conversion kits or interchangeable rotors. For grinding operations that require frequent moves between feedstock piles, the B-66 is available with crawler tracks, as well as a track and transport dolly option. The transport dolly offers the same ground clearance as a lowbed trailer and can be quickly uncoupled from the grinder at the jobsite.

Royal Oil/Maxco

2867 Cane Mill Rd.
Asheboro, NC 27205
336-736-0455
Expo location: TG-7

Southeastern Agency Group/ Bituminous

1501 Highwoods Blvd.
Greensboro, NC 27410
800-432-4863
Web: sagac.com
Expo location: TB-9/10

South Carolina Timber Producers Association

P.O. Box 811
Lexington, SC 29071-0811
803-957-9919
Web: scloggers.com
Expo location: LC-4

Formed in 1999, SCTPA represents and serves professional timber harvesters, timber dealers and timber trucker members on issues impacting timber harvesting, timber supply and raw forest products transportation. A logger-only board directs the association.

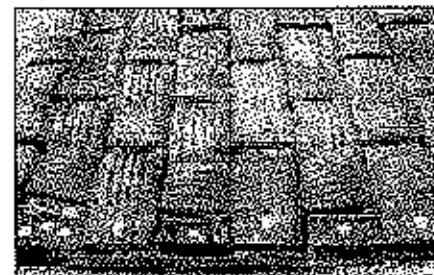
SCTPA provides the tools, benefits, training and services to meet the demands and challenges of timber harvesting and transporting businesses. It monitors the political landscape and lobbies on the local, state and national levels to ensure fair and equitable legislation.

SCTPA's mission is to serve as the voice for timber harvesting and allied timber businesses to advance the ability of its members to professionally, ethically, efficiently, safely, environmentally and profitably harvest, produce and transport timber to meet supply demands of our state by providing continuing educational and training opportunities, distributing timber harvesting, hauling, manufacturing and selling information, representing our members in national and statewide legislative activities, supporting and advancing sustainable forestry practices and policies, and aggressively promoting, supporting and conducting programs of state, regional and national advocacy.



SVE Portable Roadway

6128-F Brookshire Blvd.
Charlotte, NC 28216
(704) 398-0007
Web: mudtraks.com
Expo location: TB-8



It's amazing how things run full circle. SVE will formally introduce the TreadMat. Conceived for the logging industry, this mat is made from recycled tires, had its start in the woods and now returns to be a vital part of the industry.

The 7'x14' mat is woven and has cables on each end for lifting and dragging. Rugged and virtually indestructible, it can be traveled on by all equipment and withstand the extreme demand put forth by the crews in the field.

SVE Portable Roadway Systems has a 20-year plus history of moving vehicles and equipment in off-road situations and providing quick and easy vehicle access in diverse ground conditions. Get the job done quickly, without facing costly delays. See Steve Fink in the SVE Booth at the show for more details.

Swamp Loggers

(See Goodson's All Terrain Logging)

Tigercat Industries

54 Morton Ave. E.
519-753-2000
Brantford, ON N3R 7J7 Canada
Web: tigercat.com
Expo location: L-6



Tigercat will exhibit and demonstrate its southern U.S.-focused forestry equipment lineup featuring a full tree harvesting system complete with skidder, loader and drive-in-tree feller buncher. The diverse range of equipment will include 718E, 720E and 724E feller-bunchers, 620D and 630D Turnaround™ equipped skidders and a 234 loader.

Tigercat's Turnaround seat swivels effortlessly, locking in either the forward or rear facing position. Once facing rear, the operator has full control of all machine functions including drive controls. Steering is controlled with an armrest-mounted joystick for improved ergonomics. Operator fatigue, neck and upper back strain are significantly reduced, especially in applications

Mid-Atlantic Expo Exhibitors



where the operator is required to drive for extended distances into the cut block in reverse and when picking up multiple bunches.

The show will provide an opportunity for contractors and operators to interact directly with key Tigercat engineering, management and customer service personnel and learn about Turnaround and Tigercat's lowest cost per ton harvesting solutions.

TimberPro

(See John Woodie Enterprises)

Triple T/Freightliner/ Western Star

2715 U.S. Highway 421
Wilmington, NC 28402
910-540-5527
Web: wemeantrucks.com
Expo location: TT-6



From crew cab service trucks to log-hauling beasts of burden like the Western Star, we have the truck you need. We also deliver the full spectrum of parts and services while our experienced staff stands behind it all.

Founded in Wilmington, NC, Triple-T is a full-service, family-owned and operated business that runs on 24/7 customer service and support. In business since 1967, we have deep roots in the timber harvesting industry and a long-running commitment to serving its special needs.

Honesty and integrity have, over nearly half a century, grown us into a five-location dealership that serves all industries, prominently logging. We carry the most brands of any U.S. dealership—International, Volvo, Mack, Isuzu, Freightliner, Sterling, and Western Star—and we offer lease and rental options from NationalLease as well as Idealease.

Loggers work long hours and weekends...we do too! Triple-T provides extended and on-site services to most

areas east of I-95. Our email addresses and mobile phone numbers are on every business card.

Triple-T keeps the log trucks of the eastern Carolinas hauling!

U. S. Blades

2205 Enterprise Dr.
Florence, SC 29501
843-229-3921
Web: usblades.net
Expo location: TB-14

Virginia Loggers Association

33 Morewood Place
Palmyra, VA 22963
(434) 589-8609
Web: valoggers.org
Expo location: LG-5



The Virginia Loggers Association (VLA) is proud to be participating in the Mid-Atlantic Logging & Biomass Exposition. Our booth is located in the "Loggers Corner." Stop by and meet with members and learn more about the organization. Membership applications will be available and NCAPL members can join at a discounted rate. VLA T Shirts and embroidered long sleeve denim shirts will be available for purchase.

The VLA is the voice for Virginia loggers. We represent the industry in Richmond on legislative issues and on numerous state boards. The VLA works closely with the American Loggers Council on national issues as well.

Vermeer Mid Atlantic, Inc.

10900 Carpet Street
Charlotte, NC 28273
704-588-3238
Web: vermeermidatlantic.com
Expo location: L-3

Included in the products demonstration will be the Vermeer WC2300 whole tree chipper and the HG6000 horizontal grinder.

The WC2300 is a powerful, efficient whole-tree solution for producing pulp grade or fuel grade chips. Whether used to produce wood chips for power generation, or by loggers who want to generate additional revenue from all parts of



felled trees, the WC2300 performs. It features a 440-horsepower (328.1 kW) CAT Tier 3 engine and can chip material up to 23 inches in diameter. The infeed system maximizes productivity and minimizes material handling by the operator. With its compact design and built-in skidder grab, the unit can be easily moved around jobsites without reattaching a tow vehicle.

When working in large-scale land clearing, wood processing or green-waste recycling, contractors can count on the newly redesigned HG6000 to give them the power and performance they deserve. The HG6000 features a CAT C-rated C18 Tier 4 Interim/Stage IIIB engine specifically chosen to meet the demanding operations and comply with governmental regulations. The machine comes with two adjustable screens, allowing users to mix and match screens to meet end product needs for a variety of applications.

Waratah

60 Eastbrook Bend, Suite A
Peachtree City, GA 30269
770-692-0380
Web: waratah.net
Expo location: SP-2

Oooohs, Aaahs

Mid-Atlantic forest fraternity awaits end of the Great Tree-cession.

BY MAY LAMAR

If you are making a living from the trees in Maryland, North or South Carolina, West or Commonwealth Virginia, then you are either slowly going broke, slowly making headway, holding your own or looking down the road with high-powered binoculars and desperately hoping to spot the tail end of the Great Tree-cession.

Which guy are you?

The truth about the Mid-Atlantic forest products industry—a loose but loyal fraternity of mill owners, loggers, tree farmers, foresters, equipment dealers and emergent wood-to-energy producers—can today be found lumped together inside a mixed bag. For want of a better name, we'll just call it our Great Big Mixed Bag (GBMB) and in the spirit of full disclosure, we must warn you that it is very heavy, holding as it does the weight of so many conflicting regional developments.

If you reach down inside the GBMB and fish around, you're liable to come

out with just about anything. There's good news in there. There's bad news in there, too. There might be a clump of reality regarding fresh markets coming in, right next to a snippet of a story that relays existing markets have pulled way back. There are facts butted up against smoke and mirrors. There are oooohs and there are aaahs.

One purpose of the Mid-Atlantic Logging & Biomass Expo is to help you understand what all this hodgepodge of information means to you. So, let's get started emptying our GBMB of forest industry happenings, shall we?



Pellet Progress

Lucky for us, the first thing we pull out is a bit of recent good news.

Processed biomass producer Enviva has announced plans to build yet another wood pellet manufacturing facility in North Carolina, this time in Northampton County. The new plant will come with 62 jobs and, when added to Enviva's soon-to-be operational facility in Ahoskie, NC, will boost the company's production in the state to over 750,000 metric tons of pellets annually.

"Worldwide demand for biomass energy continues to increase," says Enviva Chairman and CEO John Keppler. "Our growing manufacturing footprint in North Carolina, the Southeast U.S. and beyond is a key part of meeting that demand."

Wood pellets from both North Carolina plants will be stored and loaded at Enviva's Chesapeake, Va., deep water port facilities, before shipping to overseas electricity markets. The company currently has two pellet plants

operating in Mississippi and another in Belgium.

The Ahoskie plant will open later this year; the Northampton plant is expected to come on line as early as October 2012.

Now let's reach down into the bag again. Imagine this. It's yet more good news from Enviva. The company is partnering with Biomass Energy LLC in the operation of the latter's wood chip and pellet manufacturing facility in Bumpass, Va., with the goal of producing more than 350,000 metric tons of wood pellets over the next couple of years.

Other Developments

There is still more good news on our next grab. A North Carolina court of appeals has overruled those pesky environmental groups and held that whole trees fall under the definition of renewable sources (as in wood chips from whole trees) and thus allowed is Duke Energy's request for a test



Enviva's John Keppler

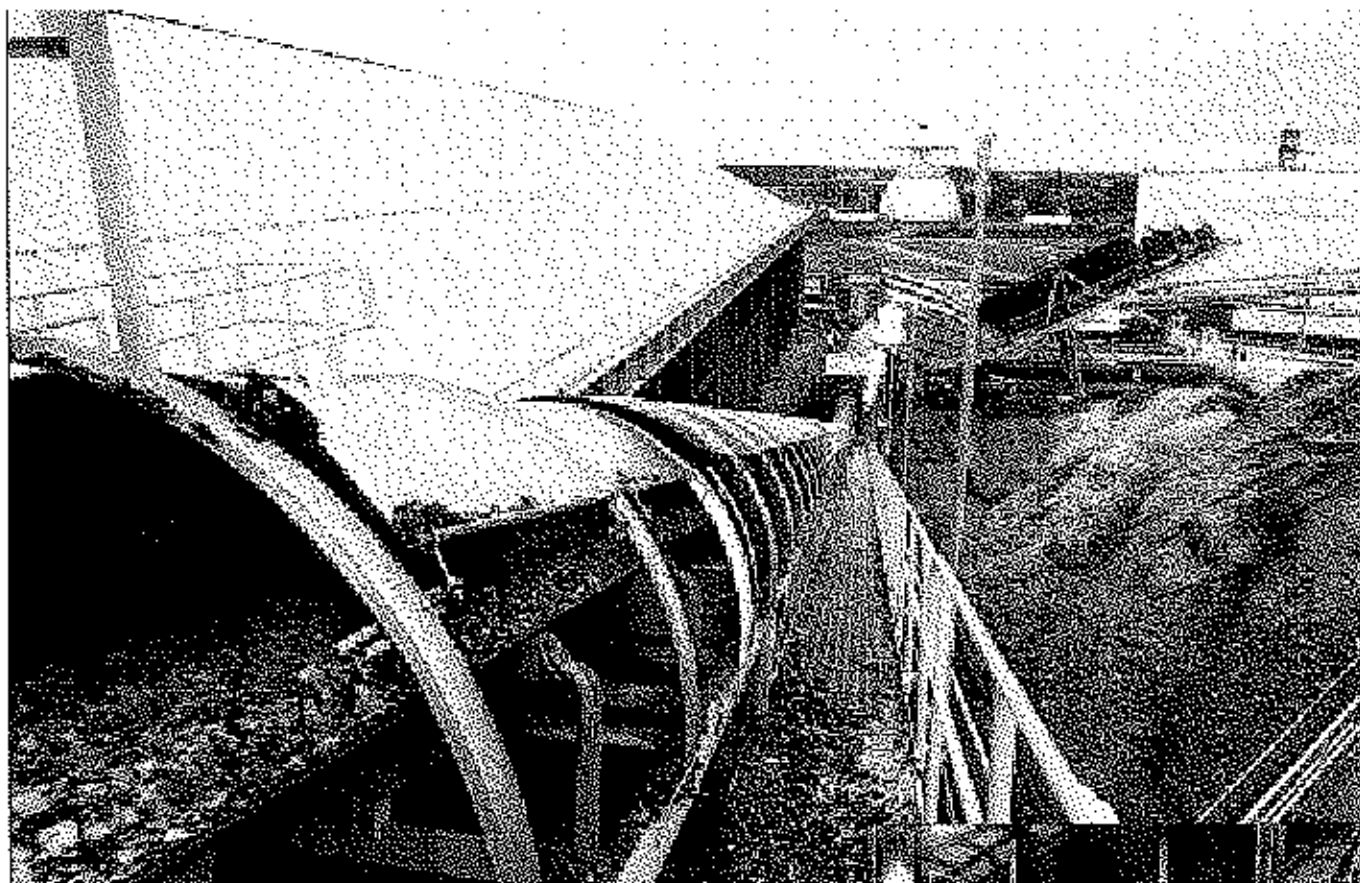
burn of woody biomass as Duke studies co-firing at its Buck and Lee Steam Plants. It's interesting to note that several paper and forest products companies held hands with environmental groups seeking a more restrictive definition of woody biomass.

No wonder then, given these developments, that in a survey conducted early this

year by *Timber Harvesting* magazine, fully one-third of the Mid-Atlantic loggers polled say they are considering getting into the biomass harvesting business.

But just when we begin to think that the regional loggers might be upbeat over these emerging markets, the next thing we pull out of the bag is a big bundle of regional loggers in a fury over pay, or lack thereof. (After all, most of these wood energy





In southeastern Virginia and eastern North Carolina, emerging coal-to-wood power plant conversions and new pellet plants represent new markets for chips and roundwood.

plants haven't cranked up yet.) More than 95% of loggers responding to the survey said they are not fairly compensated. They are not alone in their views, as nearly any other logger in America can attest. Money for logging remains relatively constant in an industry where nearly every other cost associated with their harvest has risen with gusto.

"The logging rate continues to decrease while operational expenses continue to skyrocket," says Bryan Humphreys of B.T. Humphreys Logging in Lewisburg, WV. "Taxes are through the roof. Workers compensation premiums are increasing while coverage is decreasing. Thousands of loggers have lost their jobs."

Tim Tippet of Tippet Timber and Logging in Whitakers, NC, agrees:

"Logging rates have gone up 10% since 1996. That is a whopping \$1.50 per ton. EVERYTHING ELSE has gone up way more than that. Equipment has gone up 50% and fuel is up 300%!"

Nearly half of the loggers polled report having either lost money or broken even in 2010.

It is much easier for loggers to make money, of course, when the mills cooperate. This year it was reported that the AbitibiBowater mill in Catawba, SC stopped accepting significant volumes of whole tree chips. This led to the clos-

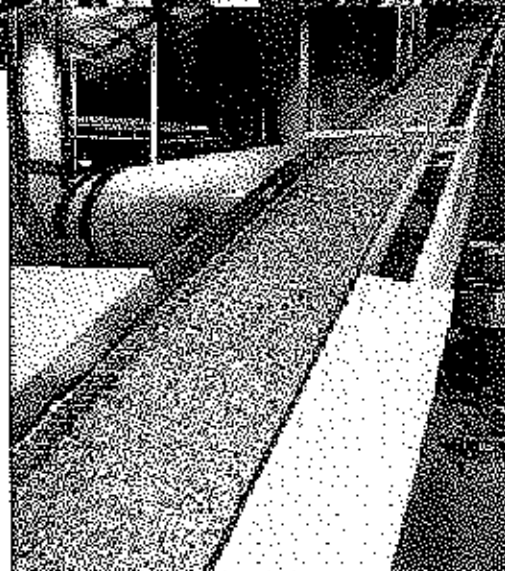
ing of a number of area chipping operations.

Meanwhile, it's frustrating for some, like Travis Thompson of Thompson Timber Enterprises in Rutherfordton, NC, to be competing with a whole new batch of loggers from areas where the mills have shut down.

"It's awfully disheartening to be limited to a number of loads that won't even cover your labor and fuel costs for the week while watching trucks from other areas that you have never seen before heading in to your local mill," he says. "We are loyal to particular mills and would like to think they would take care of us a little better in the lean times."

Another development grating on some loggers was Weyerhaeuser's midyear move that forced its eastern North Carolina contract loggers and their log truckers to participate in a dispatch trucking arrangement controlled by the company. Even though some loggers and log truckers owned trucks and trailers and hired the drivers, Weyerhaeuser mandated that they come under its control, or else. So much for the term "independent contractor."

No wonder so much interest is being placed on the opening of new markets. Over the last five years in the region,



there has been an 88% decrease in the demand for grade logs and a 66% demand decrease for pulpwood and chips.

Exploration of the mixed bag continues.

Next thing we retrieve is—oh, no—**FUEL COSTS!**

Let's just put that one right back where we found it.

Wild Card

Instead, let's bring out a wild card. That would be the arrival of RockTenn Co. to the regional pulpwood lineup. The Norcross, Ga.-based packaging producer bought Smurfit-Stone Container earlier this year for \$5 billion and so now has 11 paperboard operations in

North America, eight of them in the South and four of them along the Atlantic coast.

The paperboard mills RockTenn operates at West Point and Hopewell, Va., use a combined annual total of 3,200,000 tons of wood fiber each year but they are both considered "old." Speculation is that one of them may be closed should paperboard demand falter.

There's some other paper news in here as well. Not good. International Paper shuts down uncoated free sheet production at its Franklin, Va. plant. But wait. Now IP plans to "repurpose" a portion of the closed mill as a fluff pulp mill capable of annually producing up to 270,000 metric tons of fluff pulp for the global market, and bringing back in 200 jobs and a yearly demand for about a million tons of pulpwood and chips. But that won't be hardwood as in the

days of old. Make it softwood this time.

And while we examine mixed mill news, we might take a look at Georgia-Pacific's recent activity. G-P had purchased an unfinished OSB plant in Clarendon County, SC, and is now nearing completion of its construction. While this is good news for landowners and loggers in that area, the downside comes down in Virginia, where G-P idles its existing OSB mill in Skippers.

Bank Challenges

There are Mid-Atlantic hardwood mills having problems with money and some just having problems with the guys in suits that handle their money. When asked the question, "What are you most concerned about with regard to your business?" J. Wilson Jones III, owner of Mackeys Ferry Sawmill in Roper, NC, had this to say:

"After 50 years of a stable relationship with our bank, NEVER missing a payment, NEVER asking for help, we were asked to take our business elsewhere. Thankfully, after painful internal choices, a complete change in our marketing and sales efforts...we were able to find a new bank.

"While we now have a bank that wants to be our partner, rather than tolerating us, building a new banking relationship is daunting. Bankers have made our life a helluva lot harder than

crappy lumber markets, high stumpage and critical timber shortages."

Tell that to Coastal Lumber Co. The long-time hardwood lumber producer recently closed mills in West Virginia, Pennsylvania and North Carolina, one reason being the protracted depressed markets, but another reason being that the Coastal owners couldn't find satisfactory refinancing; that is, the bank was making too many demands before making available its funds. So Coastal Lumber shuts its doors, and more than 300 employees are out of work. Ouch!

Regardless of how many hard-hearted bankers are stewed away in the GBMB, many sawmills throughout the region continue to show signs of life. More than half the hardwood mill owners surveyed and a whopping 78% of softwood mill owners say they foresee running at 80 to 100% capacity throughout 2011. Nearly everyone who was asked say they plan to be in business 10 years from now, especially one North Carolina sawmill owner who answered the question this way:

"I damn sure hope so. I have a daughter who will be in college in six years!"

Many mills in the Mid-Atlantic will be turned over to children or grandchildren following the retirement of an owner. Not so sure is Bruce Griffith of Griffith Lumber in Woolwine, Va.

"I'm 65," says Griffith. "My brother partner is 76 and his son is 50 and burned



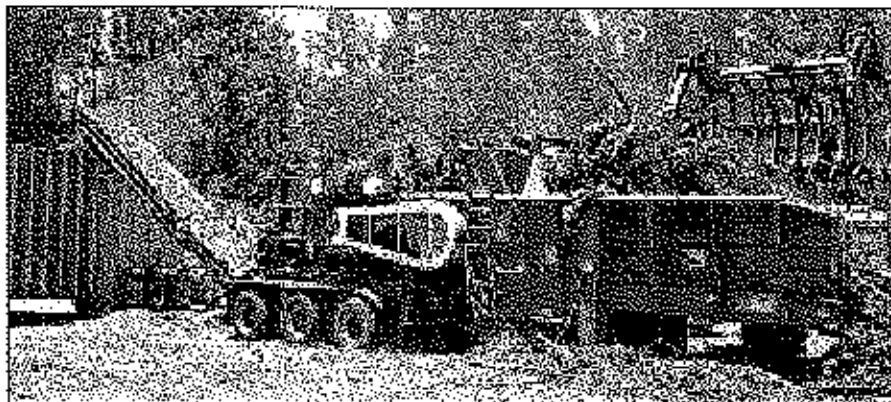
Loggers are looking for more loads.



Coming energy markets may prompt more loggers to turn to chipping.



Loggers Perry Hunt, center, and Joe Rose, far right, discuss fuel chip quality with future biomass purchasers.



Grinder converts logging slash to fuelwood.

out. No one in line has stepped forward to run it but I hope someone will."

More Biomass News

We return now to the subject of biomass. There is just so much of it in our Great Big Mixed Bag, we will spill a bunch of it out right now and take a look.

Dominion Virginia Power plans to convert three of its power stations from coal to biomass. The power stations in Altavista, Hopewell and Southampton counties are identical and went into operation in 1992. The plants could begin burning biomass in 2013.

Virginia's State Corporation Commission has approved an application by South Boston Energy to construct and operate a 50 MW biomass electric generating facility in Halifax County, at the site of a former Georgia-Pacific plant just outside of South Boston. South Boston Energy intends to sell the plant's electricity to Northern Virginia Electric Cooperative (NOVEC), its parent company. The proposed plant will rely on 600,000 tons of wood residue annually.

MeadWestvaco plans to invest \$285 million to construct a state-of-the-art biomass boiler and upgrade its Covington, Va. paperboard facility. The project will allow the mill to become self-sufficient in electrical power and steam generation and will significantly reduce ongoing

operating and maintenance costs.

ArborGen, Summerville, SC, and Greenwood Resources, Portland, Ore., have teamed up to merge science and technology in tree resource management. The collaboration is intended to meet the growing demand for woody biomass with purpose-grown hardwood trees in the Southeastern U.S.

Two Colorado businessmen plan to spend \$6 million to start a wood pellet manufacturing business at Chesapeake, Va. Eden Pellets has leased 60,000 sq. ft. in the building that once housed Chesapeake Hardwood Products.

Wood Fuel Developers, an affiliate of Chester, Va.-based Industrial Turn-Around Corp., will invest \$8.6 million to implement a wood pellet manufacturing operation in Waverly, Va. at the site of a former particleboard plant.

Wow! That's a big ole heap of biomass hustle and bustle.

Future Logger Shortage?

Unfortunately, according to some observers, when these new wood energy operations began actual operation, and if by chance the traditional building products markets (namely lumber and OSB) experience some kind of rebound out of the quicksand it's been mired in, there might be a shortage of loggers to supply the raw material goods, though



John and Landis Bullock

this could mean good financial tidings for those still around.

John and Landis Bullock know a thing or two about forestry equipment and the industry it serves. They are a long-time Tigercat dealer for a territory that includes parts of Maryland, North Carolina and Virginia says there could be trouble ahead.

"When the mills go to full capacity we're going to have a hard time meeting the demand," says Landis. "So many loggers have gotten out of the business it's incredible."

He shares the view of many in the area: The margins in contract logging are not where they should be to make the endeavor worthwhile. While he feels there are still kinks to be worked out in the biomass industry, he agrees it will be a boon for the average logger and even the not-so-average logger.

"For the contract loggers who have stayed and weathered these down times, there will be profit to be made, and you can quote me on that."

Keith Biggs of Forestry Mutual Insurance in Raleigh has a finger on the pulse of logging in the Mid-Atlantic region. Some 75% of the company's customers are loggers from North and South Carolina, Virginia and Tennessee.

"A lot of people are struggling right now," Biggs says. "Fuel has everybody strapped." (The fuel issue keeps popping up out of the bag, refusing to just go away). Biggs, though, is quick to point out that he does see better days ahead.

"I think biomass fuels, pellet mills—that sector—is the light at the end of the tunnel everybody's looking for. Our traditional markets just aren't here anymore."

Hey, there's something else in the bottom of our grab bag. It's a nutshell. Maybe it contains a note that explains the meaning of this mixed bag of goods. Well, not exactly. But the note says:

"Time to go to the Mid-Atlantic Logging & Biomass Expo!"

FROM THE FOREST, TO THE
RACE TRACK, AND BACK AGAIN...

YOUR PATH TO SUCCESS BEGINS AND ENDS WITH BANDIT.

SEE OUR CHIPPERS
IN ACTION!
DEAD
SPACE **#3**

WATCH
IT RUN!

*Bandit Model 3050T
(with Full Load Capacity)*

OUR FULL LINE OF
FORESTRY
MOWERS
IS NOW
AVAILABLE!

*Bandit Model 5000
(100-hp Forestry Mower)*

*Bandit 6000 Series
Bandit MC 6000*

STOP BY AND SEE
THE AUTHENTIC
**BANDIT
NASCAR!**

It's time more timber clearing, utilityline maintenance, and pipeline clearing projects center around the full line of track chippers and forestry mowers offered by Bandit Industries. Processing forest waste that contains larger diameter material is a breeze with a Bandit track chipper. With genuine Caterpillar® track undercarriages and plenty of horsepower to boot, there's no stopping these track chippers! **AND NOW** we're proud to offer you a complete line of track chippers with chipper capacities up to 36" diameter. From 400- to 1,250-horsepower.

AT THE MID-ATLANTIC LOGGING & BIOMASS EXPO:

- EXCLUSIVE ACCESS TO THE BANDIT NASCAR
- REGISTER TO WIN A FREE VACATION
- LIVE EQUIPMENT DEMONSTRATIONS
- MUCH, MUCH MORE!



Bandit INDUSTRIES, INC.

6750 Millbrook Road • Remus, MI 49340 • USA



• FIND US ONLINE
1-800-952-0178

WWW.YOUTUBE.COM/BANDITCHIPPERS

BIG JOHN
BIG JOHN TRAILERS



Toll Free: 800-771-4140

www.bigjohntrailers.com

BUILT FOR DURABLE AND DEPENDABLE USE SINCE 1974

**LIGHTWEIGHT
PLANTATION
TRAILER**

**LIGHTWEIGHT
RECESSED CENTER
LOG TRAILER**

That's not all, we also offer
**Self-Propelled Carriers,
Standard Delimber
& Loader Trailers**

**50 TON
LOW BOY**
25-50 TON RATED

**KODIAK
DELIMBER TRAILER
w/ Hydraulic Elevators**



LEASE TO OWN WITH 0% DOWN

BIG JOHN TRAILERS

A Division of Gowen Enterprises, Inc.

10514 US HWY 1 N • Folkston, GA 31537 • Tel: 912-498-7459 • Fax: 912-498-4577

Lease to own with 0% down with approved credit. Contact Big John Trailers for more details.
Advertisement is dependent on creditworthiness and is subject to change. Lease requires two advance payments and 5180.00 deposit at lease time.